SigenStor	5T-8	5T-10	5T-13	5T-16	5T-24	Units					
DC Input (from PV)											
Max. PV power			8000			W					
Max. DC input voltage			1100			V					
Nominal DC input voltage			600								
Start-up voltage			180			V					
MPPT voltage range			160 ~ 1000			V					
Number of MPP. trackers	2										
Number of PV strings per MPPT			1								
Max. input current per MPPT	· · · · · · · · · · · · · · · · · · ·	16									
Max. short-circuit current per MPPT	20										
AC Output (on-grid)						Α					
			5000								
Nominal output power			5000			W					
Max. output apparent power			5000			VA					
Nominal output current			7.2			A					
Max. output current			7.2			A					
Nominal output voltage			380 / 400			V					
Nominal grid frequency			50 / 60			Hz					
Power factor			0.8 leading ~ 0.8 lagging								
Total current harmonic distortion			THDi < 2%								
Efficiency											
Max. efficiency			98.1%								
European efficiency			96.4%								
AC Output (backup) ¹											
Nominal output power			5000			W					
			5500			W					
Max. output apparent power Nominal output current			7.2			A					
			8.4			A					
Max. output current Nominal output voltage			380 / 400			A V					
Nominal output frequency			50 / 60			Hz					
Power factor			0.8 leading ~ 0.8 lagging			112					
Total voltage harmonic distortion			THDv < 2%								
Disruption time of backup switch ²			0			ms					
			0								
Battery Connection											
Battery module models			SigenStor BAT 5.0 / 8.0								
Number of battery modules	1	2	2	2	3	pcs					
SigenStor BAT 5.0	0	2	1	0	00	pcs					
SigenStor BAT 8.0	1	0	1	2	3	pcs					
Total energy capacity	8.06	10.76	13.44	16.12	24.18	kWh					
Usable energy capacity ³	7.8	10.4	13.0	15.6	23.4	kWh					
Depth of discharge ⁴			97%								
Max charging or discharging current	6.7	8.4	10.9	13.4	20.1	A					
Battery module voltage range			600 ~ 900			V					
Protection											
Safety protection feature			arity protection, Insulation ng protection, AC overcu								
Inverter tendequ		And Island									
Inverter topology			Non-isolation								
Protective class											
Overvoltage category	<u>.</u>		DC II, AC III								
Active anti-islanding protection			Frequency shift								
General Data Dimensions (W / H / D)	950/640/260		850/010/260		850/1180/260						
Weight	850/640/260	153	850/910/260	183	254	ka					
	112	103	-25 ~ 60	103	204	kg °C					
Storage temperature range											
Operating temperature range			-20 ~ 55			°C					
Relative humidity range			0% ~ 95%								
Max. operating altitude			4000			m					
Cooling			Natural convection								
System ingress protection rating		MIANI / Frank Fth	IP66 et / RS485 / Sigen Comr								
Communication		WEAN / FUSLELNER	er / Ka4ob / Sigen Comr	1111100 (40/30/20)							

The backup function is achieved by the external device: Sigen Energy Gateway. 1.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. 2. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life.

З.

This refers to the usable energy capacity of entire system. 4.

^{5.} * This is an optional feature only supported in certain models, please contact Sigenergy for more information.

Signation 10T-8 10T-10 10T-13 10T-24 10T-32 10T-48 10T-48 Units DC Input (from PV) 100 0<	SigenStor	10T-8	10T-10	10T_12	107-16	10T-24	10T_22	107-40	10T_40	Units			
Max. № Ipqu word N00 V N Nomika № Ipqu wordsge 600 V N Safe Laye wordsge rongs 100 V N Safe Laye wordsge rongs 100 V N Mem dr dr dring pa control 1 N N Mem dr dr dring pa control 2 2 N Mem dr dr dring pa control 1 N N Mem dr dr dring pa control 1 N N Mem dr dr dring pa control 1 N N Mem dr dr dring pa control 1 N N Mem dr dr dring pa control 100 N N Nortrol dr dring pa control 100 N N Nortrol dr dring pa control 1000 N N		101-6	101-10	101-13	101-10	101-24	101-32	101-40	101-40	Units			
Max De pay vantage100V801 - yo vantage80V801 - yo vantage80V801 - yo vantage80V801 - yo vantage80V801 - yo vantage88801 - yo vantage81801 - yo vantage989N801 - yo vantage880 / 40N802 - yo yo vantage880 / 40N803 - yo	DC Input (from PV)												
Namia C puez longe90VMBY longer range180 - 1000VMBY longer range180 - 1000VMarch or MBY induces8VNamber of MPY induces1AA C OULDU (Congrid)20AA C Outgut (Longer range)9898MMarch adougt-Jacoser9898WNamber of MPY induces9898WNamida caparate power9898WNamida caparate power9898WNamida caparate power9898VNamida caparate power9897 / 6012Namida caparate power9898VNamida caparate power98997VNamida caparate power9898VNamida caparate power9898VNamida caparate power9898VNamida caparate power9898VNamida caparate power9898NNamida caparate power9898NNamida caparate power9898NNamida caparate power9898N <td>Max. PV power</td> <td></td> <td></td> <td></td> <td>16</td> <td>000</td> <td></td> <td></td> <td></td> <td>W</td>	Max. PV power				16	000				W			
Sind - yorkingsNoVNumber 01 MP. toosies3Number 01 MP. toosies3Number 01 MP. toosies1Mas. bard-reform 12 per MPI1Mas. bard-reform 12 per MPI30A C Output (on-grid)AA Coutput (on-grid)44Mas. bard-reform 12 per MPI999Number 01 MP. toosies999Mas. bard-reform 12 per MPI999Namina Joba Devi999Mas. bard-reform 12 per MPI44A Coutput (on-grid)44Mas. toosies30/40Namina Joba Devi18 dataNamina Joba Devi18 dataMas. toosies18 dataNamina Joba Devi18 dataNamina Joba Devi197Namina Joba Devi197Namina Joba Devi197Namina Joba Devi197Namina Joba Devi197Namina Joba Devi197Namina Joba Devi Devi Devi197Namina Joba Devi Devi Devi Devi10Namina Joba Devi De	Max. DC input voltage				11	00				V			
Merging renge 180 - 1000 V V Number of MY trange per MPT 1 A Number of MY trange per MPT 1 A Acc Dutgut (non-grid) 1 A Mare dor MY trange per MPT 0 A Acc Dutgut (non-grid) 1 A Mare dor Longent per MPT 144 A Mare dor Longent per MPT 144 A Mare dor Longent per MPT 144 A Mere dor Longent per MPT 144 A Mere dor Longent per MPT 164 A Mere dor Longent per MPT 165 M Mere dor Longent per MPT 160 N	Nominal DC input voltage				6	00				V			
junnaer of MP. fookies3Name of MP. fookies (MP. Tell1AMax is not-cloud carrets per MPT0AAC Output (on-grid)9893MMax objat carrets per MPT9893MMax objat carrets per MPT9893MMax objat carrets per MPT9893MMax objat carrets per MPT9893MMax objat carrets per MPT144AMax objat carrets per MPT161/122NMax objat carrets per MPT161/122161/122Max objat carrets per MPT161/122NMax objat carrets per MPT182AMax objat carrets per MPT183AMax objat carrets per MPT183AMax objat carrets per MPT183AMax objat carrets per MPT184AMax objat carrets per MPT <td< td=""><td>Start-up voltage</td><td></td><td></td><td></td><td>1</td><td>80</td><td></td><td></td><td></td><td>V</td></td<>	Start-up voltage				1	80				V			
number of Waring park MPTIIName diver of WPT20AAc Output (on-grid)20AAC Output (on-grid)9000VAC Output (on-grid)9000VMax docurred for MPT9000VMax docurred for MPT9000VMax docurred for MPT801 Ad0AMax docurred for MPT801 Ad0VMax docurred for MPT80 Ad0VMax docurred for MPT1000VMax docurred for MPT1000VMPT100 Ad000MPT100 Ad00<	MPPT voltage range				160 -	~ 1000				V			
Max liqued current per MPTIBAAC Output (on-grid)-900AAC output (sourd) around-900AActional diagonal proved-900AMax raphar digonal proved-900-Total array factor-900-Max raphar digonal proved-900-Max raphar digonal proved-1000-Max raphar digonal proved-10001000Max raphar digonal proved0000 <tr< td=""><td>Number of MPP. trackers</td><td></td><td colspan="11">3</td></tr<>	Number of MPP. trackers		3										
Ac20AAC Output (on-grid)9000VAC Output (on-grid)9000VAMax Adapt approxim (ower)9000VAMax Adapt approxim (ower)9000VAMax Adapt approxim (ower)80.400VMax Adapt approxim (ower)80.583VMax Adapt approxim (ower)80.583VMax Adapt approxim (ower)80.590VMax Adapt approxim (ower)9000VMax Adapt approxim (ower)9000VMax Adapt approxim (ower)80.400VMax Adapt approxim (ower)10000Max Adapt approxim (ower)10010 <td< td=""><td>Number of PV strings per MPPT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Number of PV strings per MPPT												
AC Output (on-grid) Image of the set	· · · ·									Α			
Nermind output power 9999 W Nermind output current 14.4 A Nermind output current 14.4 A Max output contrent 14.4 A Nermind output routput 28.0 / 20.0 Y Nermind output routput 0.8 long(ng - 28.0 / 20.0) Y Nermind output routput 98.3% Y Longorout rollfolor 98.3% Y Normind output routput	Max. short-circuit current per MPPT		20										
Max. supul. opponent power 9898 VA A Max. output. current M4 A A Max. module current D8 leading- D8 legging V V Nement output. varient harmonic distortion Tride < 2%	AC Output (on-grid)												
Max. acquit apparent yook999VAAMax. acquit a current14.4AMax. acquit a current14.4AMax. acquit a current380 / 400VNommal output storge380 / 400VNommal output storge380 / 400VNommal output storge750 / 500VNommal output storge750 / 500VEfficiency757%VKas. efficiency88.7%VAC Output (backup)757%VNommal output storge10000WMax. acquit a current10000WMax. acquit a current1000WMax. acquit a current100000Max. acquit a current10001000Max. acquit a current10001000Max. acquit a current output storge1000000Max. acquit a current output storge10000000Max. acquit a current output store10101010	Nominal output power				99	999				W			
Naminal outgut carrentH.4.ANeminal outgut vortage940 / 400VNeminal outgut vortage50 / 90VPower fotor08 leading ~ 08 biggingVTotal curvert hormonic distortion116 / 20.VPower fotor98 3%VEuropean officionery97.5%VAc outgut oppanert power1000WNornind outgut oppanert power1000WNornind outgut oppanert power1000WNornind outgut oppanert power1000WNornind outgut officiant16.7ANornind outgut officiant16.7ANornind outgut officiant1000WNornind outgut officiant1000VNornind outgut officiant1000VNornind outgut officiant1000VNornind outgut officiant10000Nornind outgut officiant1000VNornind outgut officiant10000Officiant Power00Officiant Power </td <td></td> <td></td> <td></td> <td></td> <td>99</td> <td>999</td> <td></td> <td></td> <td></td> <td>VA</td>					99	999				VA			
Max MA A Nommal cuput sortage 300/200 V Nower factor 0.8 leading - 0.8 legging 1/2 Total current fummanic distortion TH3 - 28 V Efficiencry 90.75% V AC Output (backup)* 97.5% V AC Output (backup)* 97.5% V Nommal cuput power 10000 V Nommal cuput power 10000 V Nommal cuput power 10000 V Nommal cuput power 180/200 V Nommal cuput power 180/200 V Nommal cuput power 380/200 V Nommal cuput power 180/200 V Nommal cuput softgesensy 50/200 V Nommal cuput softgesensy 192<2													
Neminal adpat ventage 380 / 400 v Neminal adpat frequency 50 / 60 Hz New reflector 0.8 leading - 0.8 legging Hz Tatal curver hammonic distortion In Hall + 22, In Hall + 22, Efficiency 98.3% In Hall + 22, AC Output (backup) 1 97.5% W Nace adjust appendent forware 10000 W Naminal adjust in tequency 50 / 60 V Naminal adjust in tequency 50 / 60 V Naminal adjust intequency 50 / 60 V Naminal adjust intequency 50 / 60 V Naminal adjust intequency 0 0 0 0 Description time distortion THO× < 28.										Α			
Item many Eg/ 60 12 D8 boding r/ 60 grigging 08 boding r 60 grigging 160 r 4 2% Efficiency 983% Efficiency 983% Europeen officiency 975% 60 cm W AC Output (backup) ¹ 975% W W AC Output (backup) ¹ 1000 W Max officiency 975% A AC Output (backup) ¹ 1000 W Max officiency 1000 W Momind output treportery 1000 W Nomind output treportery 800 / 400 V Nomind output treportery 0 0 V Nomind output treportery 0 0 0 personate Battery connection 1 2 2 8 4 5 6 personate Significs M1 50 0 2 1 0 0 0 personate 9 Significs M1 50 0 2 1 0 0 0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Prover fortan 0.8 loading ~ 0.8 log/ing HD / 2% HEfficiency 98.3% Unropen efficiency 97.5% AC Output (backup) 1 97.5% W W Normalic distorption 97.5% W AC output (backup) 1 10000 W Normalic dupt power 10000 W Normalic dupt current Hd / A Normalic dupt values 380 / 400 W Normalic dupt values 380 / 400 V Normalic dupt values 0.8 loading ~ 0.8 logging V Normalic dupt values 0.8 loading ~ 0.8 logging V Static value current 0.8 loading ~ 0.8 logging V Static values 1 2 2 8 4 5 6 pcs Static values 1 2 2 3 4 5 6 pcs Sigenstor RAT SD / SD 0 0 0 0 0 0 pcs Sigenstor RAT SD / SD A 5 6 pcs <td< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></td<>						-							
Total curver, harmonic diatorionTHD i 2%Efficiency9/5%AC Output (backup)1Nomind output powerNomind output opporen powerNomind output orgenerNNomind output requencyNNomind output requencyNNomind output requencyNNomind output requencyNSigenstor EAT 50 / 60NNomind output requencyNNomind output requencyNSigenstor EAT 50 / 60NNomind output requencyNNomind output requencyNNomind output requency <th colspan<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td></td>												
Efficiency 98.3% Acc selficiency 97.5% AC Output (backup) 1 10000 W Nominol output corrent power 10000 W Nominol output current 14.4 A Nominol output current 16.7 A Nominol output current 16.7 A Nominol output requency 50.7 A Nominol output requency 50.7 A Nominol output requency 50.7 A Power factor 0.8 leading - 0.8 leaging Test Delay binominol distotion THDV + 2% E Delay binominol distotion THDV + 2% E Distry modules 1 2 2 8 4 6 6 pcs SigenStot BAT 8.0 0 1 0 1 2 3 4 5 6 pcs SigenStot BAT 8.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Max. efficiency 98.3% European efficiency 97.5% AC Output (backup) ') 97.5% Mominal output power 10000 W Max. output opearent power 10000 W Max. output opearent power 1807 A Max. output opearent power 187 A Max. output opearent power 0.000 V Max. output opearent power 0.000 V Max. output opearent power 0.000 V Mominal output frequency 0.000 (0.000 (0.000) V Nommal output frequency 0.000 (0.000 (0.000) mms Battery Connection mms Battery Connection mms Battery connection 1 2 2 8 4 5 6 pcs Sigenstor BAT 8.0 1 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0 1 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0													
European efficiency 97.5% AC Output (backup) ' Max output opporent power 10000 W Max output outportert power 1000 W Max output current 144 A Max output current 187 A Nominal output voltage 380 / 400 V Nominal output voltage 380 / 400 V Nominal output voltage 0.8 leading - 0.8 logging V Nominal output voltage 0.8 leading - 0.8 logging V Nominal output modules 1 2 2 3 4 5 6 pcs Battery connection 1 2 2 3 4 5 6 pcs Sigenstor BAT 50 0 2 1 0 0 0 0 pcs Sigenstor BAT 60 1 0 1 2 3 4 5 6 pcs Sigenstor BAT 80 1 0 1 2 3 4 5													
AC Output (backup) ' Nominal output power 10000 W Nominal output current 144 A Max output ourgerent power 167 A Nominal output current 167 A Nominal output frequency 08160/lar00 V Power factor 08160/lar0 - 08180g/lgr V Total voltage harmonic distortion 08160/lar0 - 08180g/lgr V Battery Connection 0 0 0 0 pcs Battery module models 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 pcs Total woltage namonic distortion 1 0 1 0 0 0 pcs SigenStor BAT 5.0 0 2 1 0 0 0 pcs pcs Total energy copacity 8.06 10.76 13.44 18.2 24.8 32.4 40.3 48.8 KVM Labelarengy c	,												
Iteminal output power 1000 W Max. output apporent power 1000 W Max. output apporent power 1000 W Max. output aurent 167 A Marinal output frequency 50 / 60 V Power factor 0 80 leading - 08 leading -					97	.5%							
Max output apparent power 11000 W Nominal output current 14.4 A Max output current 18.7 A Nominal output voltage 380 / 400 V Power factor 0.8 leading - 0.8 leaging V Power factor 0.8 leading - 0.8 leaging K2 Disruption time of backup switch 2 0 ms Battery Connection Tatu voltage harmonic distortion ms Buttery module models 1 2 2 3 4 5 6 pcs SigenStor BAT 50 0 2 1 0 0 0 pcs SigenStor BAT 80 1 0 1 2 3 4 5 6 pcs SigenStor BAT 80 0 0 1 0 1 2 3 4 5 6 pcs SigenStor BAT 80 1 0 1 2 3 4 5 6 pcs 15 16 16 16<	AC Output (backup) ¹												
Iteminal output current 14.4 A Max. output current 16.7 A Max. output trequency 380 / 400 V Nominal output frequency 560 / 60 Hz Power factor 0.8 leading - 0.8 lagging Hz Itadi vatage harmonic distortion THDV < 2%	Nominal output power				10	000				W			
Max output outrant Nominal output votage 16.7 A Nominal output votage 380 / 400 V Nominal output requency 50 / 60 Hz Power factor 0.81 leading - 0.81 lagging Total votage harmonic distortion THDv < 2x	Max. output apparent power				110	000				W			
Nominal output voltage 380 / 400 V Nominal output frequency 56 / 60 Hz Derivation 0.8 leading - 0.8 le	Nominal output current]4	4.4				A			
Nominal output frequency 50 / 60 Hz Power fractor 0.8 leading - 0.8 lagging THDv + 2% Disruption time of backup switch 2 0 ms Battery Connection 0 0 0 ms Battery Connection 1 2 2 3 4 5 6 pcs SigenStor BAT 50 0 2 1 0 0 0 pcs SigenStor BAT 80 1 0 1 2 3 4 5 6 pcs SigenStor BAT 80 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 2.418 32.24 40.3 48.36 KWh Depth of discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range Kc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type IID	Max. output current				10	6.7				A			
Power factor 0.8 leading - 0.8 lagging Total voltage harmonic distortion TH0 v 2% Battery Connection 0 Battery Module models Sigensfor BAT 50 / 8.0 Number of backup switch ² 0 0 Sigensfor BAT 50 0 2 3 4 5 6 pcs Sigensfor BAT 50 0 2 1 0 0 0 pcs Sigensfor BAT 50 0 2 1 0 0 0 pcs Sigensfor BAT 50 0 2 1 0 0 0 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 KWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 KWh Usable energy capacity ³ 7.8 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 <td>Nominal output voltage</td> <td>;</td> <td></td> <td></td> <td>380</td> <td>/ 400</td> <td></td> <td></td> <td></td> <td>V</td>	Nominal output voltage	;			380	/ 400				V			
Interview THU v 2% Interview THU v 2% Interview	Nominal output frequency				50	/ 60				Hz			
Disruption time of backup switch ² 0 ms Battery Connection Sigenstor BAT 5.0 / 8.0 Battery module models Sigenstor BAT 5.0 / 8.0 Number of backup switch ² 2 3 4 5 6 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 pcs Sigenstor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.38 KWh Depth of discharge ⁴ 97% 97% </td <td>Power factor</td> <td></td> <td></td> <td></td> <td>0.8 leading</td> <td>~ 0.8 lagging</td> <td></td> <td></td> <td></td> <td></td>	Power factor				0.8 leading	~ 0.8 lagging							
Battery Connection Battery module models SigenStor BAT 5.0 / 8.0 Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 0 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 5.0 1 0 1 2 3 4 5 6 pcs SigenStor BAT 5.0 0.66 10.76 13.44 1612 24.18 32.24 40.3 43.36 kWh Depth of discharge 4 97% 97% 97% 4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 607 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 V V Protection V V	Total voltage harmonic distortion				THD	v < 2%							
Battery module SigenStor BAT 5.0 / 8.0 Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity ³ 7.8 10.4 10.9 13.4 20.1 26.8 33.5 40 A Max charging or discharge ⁴ 0.9 13.4 20.1 26.8 33.5 40 A Battery module voltage	Disruption time of backup switch ²					0				ms			
Battery module SigenStor BAT 5.0 / 8.0 Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity ³ 7.8 10.4 10.9 13.4 20.1 26.8 33.5 40 A Max charging or discharge ⁴ 0.9 13.4 20.1 26.8 33.5 40 A Battery module voltage	Battery Connection												
Number of battery modules 1 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 0 2 1 0 <td></td> <td></td> <td></td> <td></td> <td>SigonStor</td> <td></td> <td></td> <td></td> <td></td> <td></td>					SigonStor								
Sigenstor BAT 5.0 0 2 1 0 0 0 0 0 pcs Sigenstor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Depth of discharge 4 97% 3 16.6 23.4 31.2 39 46.8 kWh Depth of discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V		1	2	2			1	6	6				
SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97%													
Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% <													
Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97% 97% 97% 46.8 kWh Max charging or discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 60° - 900 V V V V Protection Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Ac overcurrent/overvoltage/short-circuit protection. V Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, AC overcurrent/overvoltage/short-circuit protection. V Inverter topology Non-isolation V V Overvoltage category DC II, AC III Active antt-islanding protection V Overvoltage category B50/640/260 850/180/260 850/180/260 850/1720/260 850/1990/260 mm Dimensions (W /H /D) 850/640/260 850/910/260 850/180/260 850/1990/260 mm C Operating t	5			i				· · · · · · · · · · · · · · · · · · ·					
Depth of discharge 4 97% Max charging or discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection 600 ~ 900 V V Protection Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, AC overcurrent/overvoltage/short-circuit protection. V Inverter topology Non-isolation V Protective class I Overvoltage category DC I, AC III Active anti-islanding protection Frequency shift V Mmmm Dimensions (W / H / D) 850/640/260 850/910/260 850/180/120/260 850/1720/260 850/1920/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C				·									
Max charging or discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection 600 ~ 900 V V Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, AC overcurrent/overvoltage/short-circuit protection. Non-isolation V Inverter topology Non-isolation I V V Overvoltage category I Overvoltage category I V Active anti-islanding protection Frequency shift I V V Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 - 60 °C °C °C °C °C Operating attribute yange 0% - 95% -25 - 60 °C °C °C °C Operating temperature range -25 - 60 °C °C °C °C °C °C °C		7.8	10.4	13.0			31.2	39	40.8	KVVII			
Battery module voltage range 600 - 900 V Protection V Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Sto/180/260 850/180/260 850/1720/260 850/1720/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -20 - 55 °C °C °C °C °C Operating temperature range 0% ~ 95% 0% ~ 95% °C °C °C Relative humidity range 0% ~ 95% Matural convection m m System ingress protection rating IP66 IP66 IP66 IP60		0.7	0.4	10.0			00.0	00 5	40				
Protection Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Dimensions (W / H / D) 850/640/260 850/910/260 850/180/260 850/120/260 850/120/260 850/120/260 850/120/260 850/120/260 850/120/260 850/120/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C Relative humidity range 0% ~ 95% °C °C Mox. operating altitude 4000 m m Cooling Natural convection IP66 IP66		0.7	8.4	10.9		_	20.8	33.5	40				
Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral Data850/640/260850/910/260850/180/260850/180/260850/1720/260850/1990/260mmWeight112153168183254325396467kgStorage temperature range-25 - 60°C°C°COperating tirtude-0% ~ 95%mm°CMax. operating altitude4000mCoolingNatural convectionmSystem ingress protection ratingIP66IP66	, , ,					~ 900				V			
Safety protection feature II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Sto/640/260 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C <t< td=""><td>Protection</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Protection												
Safety protection feature II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Sto/640/260 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C <t< td=""><td></td><td>Arc fault circuit</td><td>interrupter ⁵,</td><td>DC reverse pol</td><td>arity protectio</td><td>n, Insulation m</td><td>onitoring, Resi</td><td>dual current m</td><td>onitoring, Type</td><td></td></t<>		Arc fault circuit	interrupter ⁵ ,	DC reverse pol	arity protectio	n, Insulation m	onitoring, Resi	dual current m	onitoring, Type				
Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Stor/640/260 850/910/260 850/1180/260 850/11720/260 850/190/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C<	safety protection reature	II DC/AC s	urge protectio	on, Anti-islandi	ng protection,	AC overcurren	t/overvoltage,	short-circuit p	protection.				
Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Stor/640/260 850/910/260 850/1180/260 850/11720/260 850/190/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C<	Inverter topology				Non-is	solation							
Dvervoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Storage temperature range Storage temperature range 254 325 396 467 kg Operating temperature range -25 ~ 60 -25 ~ 60 °C <						1							
Active anti-islanding protection Frequency shift General Data Frequency shift Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% m m m m Cooling Natural convection m m m m					DC II	AC III							
General Data Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/11450/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% °C °C °C Max. operating altitude 4000 m m °C °C System ingress protection rating IP66 IP66 °C °C													
Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% m m °C °C Cooling Natural convection m m m System ingress protection rating IP66 IP66 IP66 IP60 IP66 IP60													
Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C<		000/000/00		0=0101		0=0/0/	o=o !-	o=o/=/-	omo ho !-				
Storage temperature range -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% °C Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating			150		10.0								
Operating temperature range -20~55 °C Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66		112	153	168		-	325	396	467				
Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66													
Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66													
Cooling Natural convection System ingress protection rating IP66													
System ingress protection rating IP66													
Communication WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)							(-)					
	Communication		V	vLAN / Fast Ethe	ernet / RS485 ,	sigen Comml	10d (4G/3G/20	j)					

The backup function is achieved by the external device: Sigen Energy Gateway.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life. 2. 3.

4. This refers to the usable energy capacity of entire system.

^{5.} * This is an optional feature only supported in certain models, please contact Sigenergy for more information.

Chippet (Irom PV) With Kin Finge 100 (1000) With Kin	SigenStor	15T-8	15T-10	15T-13	15T-16	15T-24	15T-32	15T-40	15T-48	Units			
Max in protowni 2000 W Max in Dr Input weikings 100 V Marmar of Mark Industring 100 V Marmar of Mark Industring 100 V Marmar of Mark Industring 3 V Marmar of Mark Industring 3 A Ac Output Consert 1 Mark Industring A Ac Output Consert 10 A Ac Output Consert 1000 V Mark Industring Industring 20 A Ac Output Consert Net** 1000 VA Mark And Lapt Industring 202 A Mark And Lapt Industring 203 A Mark And Lapt Industring 20 0 0													
Mox & Disput voltage100VBart - youtdage80VBart - youtdage80VBart - youtdage80VMart - on topic range80VNumber of M Single por MM11AMax: short-find a langle por MM110AAccountert top MMT1000AAccountert top MMT1000AAccountert top MMT1000AAccountert top MMT1000AAccountert top MMT1000VAccountert top MMT1000VAccountert top MMT1000VAccountert top MMT1000VMond output voltage1000VMond output voltage100000Mond output voltage100000Mond output voltage1000000Mond output voltage1000000Mond output voltage10000000Mond output voltage1					0.4	200				14/			
Name of Disput versionVMeT versionNoMeT versionNoNumber of MeT makesNoNumber of MeT MeTNoNumber of Number of N													
and - youthing metry cothings regint100VNumber 01 MPS: toosies3Marchar 01 MPS: toosies3Marchar 01 MPS: toosies1Marchar 01 MPS: toosies1Marchar 01 MPS: toosies3A Couthut (on-grid)4A Couthut (on-grid)4Marchar 01 MPS: toosies1000Marchar 01 MPS: toosies30/100Marchar 01 MPS: toosies30/100Marchar 01 MPS: toosies30/100Marchar 01 MPS: toosies4Marchar 01 MPS: toosies30/100Marchar 01 MPS: toosies4Marchar 01 MPS: toosies4													
MePP or Marging ingerIBI - IOODVNumber of MY string one MPT1ANumber of MY string one MPT1AAcc Turbal concerts in MPT1AAcc Stript clamade prober20AMark or dori a diposet sower15000WNormal or dupp concert217ANormal or dupp concert sower30 / 400VNormal or dupp concert217ANormal or dupp concert30 / 400VNormal or dupp concert217ANormal or dupp concert30 / 400VNormal or dupp concert217ANormal or dupp concert217ANormal or dupp concert30 / 400VNormal or dupp concert217ANormal or dupp concert217ANormal or dupp concert217ANormal or dupp concert30 / 400VNormal or dupp concert217ANormal or dupp concert30 / 400VNormal or dupp													
number of Wire tooking one MMTIAMax in protection Corrent por MMT10AAc Coutput (on-grid)1800AAc Coutput (on-grid)1800MMax dapt posed for MMT1800MMax dapt posed for MMT1801MMax dapt posed for MMT1802MMax dapt posed for MMT1802MMax dapt posed for MMT1901MMax dapt posed for MMT1901MMax dapt posed for MMT1901MMax dapt posed for MMT1901MMax dapt posed for MMT19012MMax dapt posed for MMT19012190Max dapt posed for MMT10122440Max dapt posed for MMT <td></td>													
number of Waining par MPTIIName of Waining and MPTI20AAC Output (on-grid)20VAAC Output (on-grid)I8000VAMax adjust apportent power9000VAAMax adjust apportent power9000VAAMax adjust apportent power80/400VAMax adjust apportent power80/400VAMax adjust apportent power80/400VVMax adjust apportent power80/400VVMax adjust apportent power80/400VVMax adjust apportent power80/400VVMax adjust apportent power9000VVMax adjust apportent power9000VVMax adjust apportent power9000VVMax adjust apportent power9000VVMax adjust apportent power90000VVMax adjust apportent power90000VVMax adjust apportent power900000VVMax adjust apportent power9000000000000000000000000000000000000													
Max inducination per MPTIBAACOUDUT (on-grid)AAB000MAn output powerB000MAn output powerB000MMax ifficineryB000MAn output powerB000MAn output powerB000MAn output powerB000MAn output powerB000MAn output powerB000MMax ifficineryB000MMax inflationryB000MMax inflationry													
λox duront provem 20 A AC Output (on-grid) -	Number of PV strings per MPPT												
AC Output (on-grid) IE600 W Naminal angun power IE600 WA Naminal angun power IE600 WA Naminal studuct unrent IIII A Naminal studuct unrent IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Max. input current per MPPT												
Nemmo alignal power 15001 W Nominal output power 15001 VA. Naminal output power 217 A Naminal output soltage 327 A Naminal output soltage 380 / 400 V Naminal output soltage 983% V Cutput (backup) 1 V V Naminal output soltage 127 A Naminal output soltage 380 / 400 V Naminal output soltage 380 / 400 V Naminal output soltage 0 V Naminal output soltage 0 0 0 Soltage demondic distation 122 2 3 4 6 6 Soltage demondic	Max. short-circuit current per MPPT		20										
Nemmo alignal power 15001 W Nominal output power 15001 VA. Naminal output power 217 A Naminal output soltage 327 A Naminal output soltage 380 / 400 V Naminal output soltage 983% V Cutput (backup) 1 V V Naminal output soltage 127 A Naminal output soltage 380 / 400 V Naminal output soltage 380 / 400 V Naminal output soltage 0 V Naminal output soltage 0 0 0 Soltage demondic distation 122 2 3 4 6 6 Soltage demondic	AC Output (on-grid)												
Max. adout append power900AMax. adout aurent217AMax. adout aurent217AMax. adout aurent217AMax. adout aurent881 / 400VNominal adout aurent08 loading - 08 loging -VNominal adout aurent08 loading - 08 loging -VNominal adout aurent1800 / 00VNominal adout aurent883 / 400VNominal adout aurent883 / 800VNominal adout aurent19500WNominal adout aurent19500WNominal adout aurent217ANominal adout aurent217ANominal adout aurent217ANominal adout aurent217ANominal adout aurent218ANominal adout adout aurent801 / 400VNominal adout adout aurent217ANominal adout adout aurent801 / 400VNominal adout adout aurent08 loading - 88 logingVNominal adout adout set adout aurent12234Nominal adout adout set adout aurent00000Nominal adout adout adout set adout aurent1223486000000000000000000000000000000000<					150	100				\M/			
Nominal output outmant 217 A Nominal output voltage 380 / 400 V Nominal output voltage 380 / 400 V Nominal output voltage 50 / 80 V Nominal distantion 1121 < 20													
base dupit summed 9.7 A normed digt voltage 987/400 V Normed igt frequency 50 / 60 VE Power foctor 0.8 leading - 0.8 legging VE Efficiency 99.3% VE Efficiency 99.3% VE AC Output (backup) 99.3% VE Normed digt voltage 97.9% VE AC Output (backup) VE VE Normed digt voltage hower 18500 VE Normed digt voltage hower 18500 VE Normed digt voltage hower 18500 VE Normed digt voltage hower 380 / 400 VE Normed digt voltage hower 380 / 400 VE Normed digt voltage hower 0.8 logging VE Verver forcer 0.8 logging VE Distage hower hower 0.9 0 0 0 Verver forcer 0.8 logging VE VE Verver forcer 0.8 logging VE VE Verver forcer 0.8 0													
Naminal gript includes 380 / 400 V Bowint digt for frequency 0.8 leading -													
Naminal grid frequency B0 / 60 is 0.8 localing - 0.8 localing	· · · ·												
0.8 koding - 0.8 kodi						-							
Total curver, harmonic diatorion THD i < 2% Efficiency 98.3% European efficiency 97.3% AC Output (backup)1 97.3% AC Output convert 97.3% Annot couple curvert 97.3% Mank output convert 97.3% Mank output curvert 97.3% Mank output curvert 97.3% Manker output curvert 97.3% Manker output curvert 97.3% Reservert convertage and main class output convertage and sologing 40.3% Carlot output curvert 97.3% 45.6 95.6 Battery module modols 1 2 3 4 5 6 95.3% Sigenstor BAT 8.0 0 1 0 0 0 0 0						-				Hz			
Efficiency 98.3% Acc adficiency 97.9% AC Output (backup) 1 1 Nominal output power 16500 W Nac addit current 217 A Nac addit current 251 A Nominal output values 380 / 400 V Nominal output values 0.180 V Power factor 0.8 leading - 0.8 leaging V Description time of bactup switch * 0 mms Battery modules 1 2 2 8 4 6 p.p.s Sigenstor RAT 50 0 2 1 0 0 0 p.p.s Sigenstor RAT 50 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Max. efficiency 98.3% Europeon officiency 97.9% AC Output (backup) ' 97.9% Nominol output power 15000 W Max. output opporer 19500 W Max. output opporer 217 A Max. output opporer 213 A Max. output opporer 213 A Max. output opporer 380 / 400 V Nominal output frequency 0.8 loading0.8 logging V Nominal output frequency 0.8 loading0.8 logging V Power floctor 0.9 loading0.8 logging V Disruption time of backup switch * 0 ms Ms Battery Connection 1 2 2 3 4 5 6 pcs Sigenstor BAT 50 0 2 1 0 0 0 pcs gs Sigenstor BAT 50 0 2 1 0 0 pcs gs gs ks kvh Under anary copocity 8.08					THDi	< 2%							
European efficiency 97.9% AC Output (backup) ' Nominal output opower 16000 W Max. output opprient power 16500 W Nominal output output outrent 217 A Max. output current 217 A Nominal output voltage 380/400 V Nominal output voltage 380/400 V Nominal output voltage 0.8 leading - 0.8 logging V Tata voltage harmonic distantion 1 HEV < 2%	Efficiency												
Ac Output (backup) 1 Naminal output power 15000 W Max output power 16500 W Max output power 18500 W Max output power 281 A Max output current 281 A Mominal output voltage 380 / 400 V Nominal output voltage 380 / 400 V Nominal output voltage harmonic distantion The V 27X Total voltage harmonic distantion Disuptoin time obackup swith ² 0 me me Battery Connection 1 2 2 3 4 5 6 pcs SigenStor MAT 5.0 0 2 1 0 0 0 pcs SigenStor MAT 8.0 1 0.1 2 3 4 5 6 pcs	Max. efficiency		98.3%										
Internationationational provement 1500 W Max. addipat. apparent. power 18500 W Max. addipat. apparent. power 18500 W Max. addipat. adding. addipat. addimational provements 217 A Max. addipat. addipat. additional output. frequency 380 / 400 V Power factor 0.8 leading - 0.8 longing Hz Power factor 0.8 leading - 0.8 longing Hz Derver for the other power with the other of books power had its of the other power had its of the other power had its of the other o	European efficiency				97	.9%							
Max output apparent power 18500 W Nominal output current 217 A Max output current 251 A Nominal output voltage 380 / 400 V Power factor 0.8 leading - 0.8 lagging V Power factor 0.8 leading - 0.8 lagging K2 Power factor 0.8 leading - 0.8 lagging K2 Disruption time of bockup switch ² 0 ms Battery Connection 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 pcs SigenStor BAT 5.0 0 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 pcs SigenStor BAT 5.0 1 0 1 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1.0 0 0 0 0	AC Output (backup) ¹												
Information output current 217 A Max. output current 251 A Max. output current 251 A Max. output durrent 251 A Nominal output frequency 507 00 Hz Power factor 08 leading - 0.8 lagging Hz Total voltage harmonic distortion TH2V < 2%	Nominal output power				150	000				W			
Max output output voltage 251 A Nominal output voltage 380 / 400 V Nominal output requency 50 / 60 Hz Power factor 0.81 leading - 0.81 legging V Total voltage harmonic distortion THDv < 2x	Max. output apparent power				165	500				W			
Nominal output voltage 380 / 400 V Nominal output trequency 50 / 60 Hz Nominal output trequency 0.60 leading - 0.8 logging Hz Total voltage harmonic distortion THDv < 2%	Nominal output current												
Information dupper voltage 380 / 400 V Nominal output frequency 60 / 60 Hz Observator 0.8 leading - 0.8 logging Total voltage harmonic distortion The V - 2% Disruption time of backup switch ³ 0 ms ms Battery module models 1 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 / 8.0 1 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 pcs Sigenstor BAT 5.0 0 2 1.0 0 0 0 pcs Sigenstor BAT 5.0 0 2 1.0 0 0 pcs pcs Total energy capacity ³ 7.8 10.3 15.6 23.4	Max. output current				2	5.1				A			
Nominal output frequency 50 / 60 Hz Power fractor 0.8 leading - 0.8 logging I Total voltage harmonic distortion THDv : 2% Image: 2% <td< td=""><td></td><td></td><td></td><td></td><td>380</td><td>/ 400</td><td></td><td></td><td></td><td>V</td></td<>					380	/ 400				V			
Power factor 0.8 leading - 0.8 lagging Total voltage harmonic distortion ThtDv 2% Disruption time of backup switch ² 0 Battery Connection SigenStor BAT 5.0 / 8.0 Number of backup switch ² 0 SigenStor BAT 5.0 0 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 pcs SigenStor BAT 6.0 1 2 2 3 4 5 6 pcs SigenStor BAT 6.0 0 2 1 0 0 0 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 KWh Lache energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 KWh Lache energy capacity ³ 7.8 10.9 13.4 20.1 26.8 33.5 40 A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Hz</td></t<>										Hz			
Total voltage harmonic distortion THV < 2% ThV < 2% Disruption time of backup switch ² 0 ms Battery Connection SigenStor BAT 5.0 / 8.0 ms Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Depth of discharge ⁴ 97% 976 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 6 pcs 4	· · · · · ·												
Disruption time of backup switch ² 0 ms Battery Connection Sigenstor BAT 5.0 / 8.0 Buttery module models 1 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 pcs Sigenstor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Depth of discharge ⁴ 97% 97% A													
Battery Connection Battery module models Sigenstor BAT 5.0 / 8.0 Number of battery modules 1 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 0 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 pcs Sigenstor BAT 5.0 0 2 1 0 0 0 0 pcs Sigenstor BAT 5.0 0.6 10.76 13.44 1612 24.18 32.24 40.3 43.6 kWh Depth of dischargia 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 V V Protecticion Non-isolation Non-isolation Non-isolation Non-	· · · · · · · · · · · · · · · · · · ·									ms			
Battery module SigenStor BAT 5.0 / 8.0 Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 8.06 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 8.06 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 8.06 10.76 13.44 10.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity 97% 50.76 97% 50.56 60 50.56 50.56 50.56 50.56													
Number of battery modules 1 2 2 3 4 5 6 pcs SigenStor BAT 5.0 0 2 1 0 <td></td>													
SigenStor BAT 5.0 0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Depth of discharge 4 97% 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge 4 97% 97% 97% 40.0 40.0 A A A A A A A A Battery module voltage range V V P V P A					-								
SigenStor BAT 8.0 1 0 1 2 3 4 5 6 pcs Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97%	Number of battery modules			2	2					pcs			
Total energy capacity 8.06 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% <	SigenStor BAT 5.0	0	2	1	0	0	0	0	0	pcs			
Usable energy capacity ³ 7.8 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97% <td>SigenStor BAT 8.0</td> <td>1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>pcs</td>	SigenStor BAT 8.0	1	0	1	2	3	4	5	6	pcs			
Depth of discharge 4 97% Max charging or discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection 600 ~ 900 V V Safety protection feature Arc fault circuit interrupter 5, DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Act overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation V Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift T T Dimensions (W / H / D) 850/640/260 850/910/260 850/180/260 850/1720/260 850/1920/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 - 60 °C °C °C °C Relative humidity range °C °C °C °C °C Relative humidity range °C <td< td=""><td>Total energy capacity</td><td>8.06</td><td>10.76</td><td>13.44</td><td>16.12</td><td>24.18</td><td>32.24</td><td>40.3</td><td>48.36</td><td>kWh</td></td<>	Total energy capacity	8.06	10.76	13.44	16.12	24.18	32.24	40.3	48.36	kWh			
Max charging or discharging current 6.7 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection 600 ~ 900 V V Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data I12 153 168 183 254 325 396 467 kg Veight I12 153 168 183 254 325 396 467 kg Storage temperature range -25 - 60 °C °C °C °C °C Operating temperature range -25 - 60 °C °C °C °C Grange temperature range -25 - 60 °C <td>Usable energy capacity ³</td> <td>7.8</td> <td>10.4</td> <td>13.0</td> <td>15.6</td> <td>23.4</td> <td>31.2</td> <td>39</td> <td>46.8</td> <td>kWh</td>	Usable energy capacity ³	7.8	10.4	13.0	15.6	23.4	31.2	39	46.8	kWh			
Battery module voltage range 600 - 900 V Protection Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Storage temperature range Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/1120/260	Depth of discharge ⁴				9	7%							
Protection Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data I Dimensions (W / H / D) 850/640/260 850/910/260 850/180/260 850/1720/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C °C Relative humidity range 0% ~ 95% °C °C °C °C Mox. operating altitude 4000 m m °C °C °C Cooling Natural convection IP66 IP66 IP6 IP6 IP6	Max charging or discharging current	6.7	8.4	10.9	13.4	20.1	26.8	33.5	40	A			
Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataDimensions (W / H / D)850/640/260850/910/260850/180/260850/1720/260850/1990/260mmWeight112153168183254325396467kgStorage temperature range-25 - 60°C°C°COperating tirtungter0% ~ 95%°C°C°CMax operating altitude4000mmCoolingNatural convectionIP66IP66	Battery module voltage range				600	~ 900				V			
Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataDimensions (W / H / D)850/640/260850/910/260850/180/260850/1720/260850/1990/260mmWeight112153168183254325396467kgStorage temperature range-25 - 60°C°C°COperating tirtungter0% ~ 95%°C°C°CMax operating altitude4000mmCoolingNatural convectionIP66IP66	Protection												
Safety protection featureII DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataDimensions (W / H / D)850/640/260850/910/260850/180/260850/1720/260850/1990/260mmWeight112153168183254325396467kgStorage temperature range-25 ~ 60°COperating temperature range-20 ~ 55°CRelative humidity range0% ~ 95%°CMax operating altitude4000mCoolingNatural convectionP66			5										
Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Sto/640/260 850/910/260 850/1180/260 850/120/260 850/190/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 -25 ~ 60 °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Max operating olititude 4000 Natural convection m m System ingress protection rating IP66 IP66 IP66 IP66	Safety protection feature												
Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Immediate Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/1120/260 850/190/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% m °C °C °C Max. operating altitude 4000 m m °C °C System ingress protection rating IP66 IP66 °C °C °C	· · ·	II DC/AC su	urge protecti	on, Anti-islandiı	ng protection,	AC overcurren	t/overvoltage/	/short-circuit p	protection.				
Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Storage temperature range Storage temperature range Storage temperature range -25 ~ 60 Storage temperature range °C Operating temperature range -25 ~ 60 °C °C °C °C Relative humidity range 0% ~ 95% °C °C °C Gooing Natural convection Index Index Index Index Index	Inverter topology				Non-is	olation							
Active anti-islanding protection Frequency shift General Data Storage temperature range Storage temperature range 254 325 396 467 kg Storage temperature range -25 ~ 60 °C	Protective class					I							
General Data Dimensions (W / H / D) 850/640/260 850/910/260 850/1180/260 850/1450/260 850/190/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% mm Max. operating altitude 4000 m Cooling Natural convection m	Overvoltage category				DC II,	AC III							
Dimensions (W / H / D) 850/640/260 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% °C °C °C Max. operating altitude 4000 m m °C °C Cooling Natural convection IP66 Storage Storage Storage	Active anti-islanding protection				Frequei	ncy shift							
Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C<	General Data												
Weight 112 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C<		850/640/260		850/910/260		850/1180/260	850/1450/260	850/1720/260	850/1990/260	mm			
Storage temperature range -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% °C Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating			153		183								
Operating temperature range -20~55 °C Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66		112							,				
Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66													
Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66													
Cooling Natural convection System ingress protection rating IP66													
System ingress protection rating IP66	· · · · · · · · · · · · · · · · · · ·												
Communication WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)													
	Communication		V	vLAN / Fast Ethe	ernet / RS485 /	sigen Commi	//od (4G/3G/20	j)					

The backup function is achieved by the external device: Sigen Energy Gateway.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life. 2. 3.

4. This refers to the usable energy capacity of entire system.

^{5.} * This is an optional feature only supported in certain models, please contact Sigenergy for more information.

Signstor207-10207-13207-16207-32207-32207-40207-48UnitedDC Input (from PV)Non DC input votige2000WMan DC input votige800VMan DC input votige800VMan DC input votige800VMar DC input votige program800AMar DC input votige program800AMar DC input votige program800AMar DC input votige program800AMar DC input votige program800VMar DC input votige program800190Mar DC input votige program <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>												
Max900090009000Nominal Ci Pud voltage503VISan't-y voltage range100VIMitter of Mitter Gasera4VINumber of Mitter Gasera1VINumber of Mitter Gasera3AAC OUTPUT Cingan Gase3000VINumber of Mitter Gasera30000VINumber of Mitter Gasera300000VINumber of Mitter Gasera300000VINumber of Mitter Gasera3000000VINumber of Mitter Gasera3000000000000000000000000000000000000	SigenStor	20T-10	20T-13	20T-16	20T-24	20T-32	20T-40	20T-48	Units			
Max900090009000Nominal Ci Pud voltage503VISan't-y voltage range100VIMitter of Mitter Gasera4VINumber of Mitter Gasera1VINumber of Mitter Gasera3AAC OUTPUT Cingan Gase3000VINumber of Mitter Gasera30000VINumber of Mitter Gasera300000VINumber of Mitter Gasera300000VINumber of Mitter Gasera3000000VINumber of Mitter Gasera3000000000000000000000000000000000000	DC Input (from PV)											
Max C input valage100VStank walage100VBinned C input valage100VMin Stank walage100VMin Stank walage1AMarch of M 1000 part MMT1AMax End of C walage MMT10AMax End of C walage MMT2000MMax End of C walage MMT2000NA C Cutput (on-grid)2000NMin Stank et al. (on grid)30.4AMin Stank et al. (on grid)30.4AMin Stank et al. (on grid)10.4AMin Stank et al. (on grid)10.410.4Min Stank et al. (on grid)10.410.4 <td></td> <td></td> <td></td> <td></td> <td>22000</td> <td></td> <td></td> <td></td> <td>14/</td>					22000				14/			
Jean00VMBP indiger range100VMBP indiger range100VMBP indiger range100VMBP indiger range1VManchar of MBP indown1AManchar of MBP indown1AMBR indicating part MBP1AMBR indicating part MBP20000VMBR indicating part MBP30.4AMBR indicating part MBP30.4AMBR indicating part MBP20000VToold current homoric identionTHOR : SaVMBR indicating part MBP20000VMBR indicati												
Start-up valage100VNamber of MP moders44MPU valage rouge44Maxer of varial carrent per MPT14Maxer of varial carrent per MPT20AAC Output (on-grid)54Marce not varial carrent per MPT2000NaMarce not varial carrent per MPT33.4AMarce not varial carrent not varial carrent33.4AMarce not varial carrent not varial car												
MMT100-1000VNamber of VP lankage nor APV11												
Amerikan of Aley Enclams 4												
Initial of Vising por VPTIIAC36AAc Output (on-grid)20AAC Output (on-grid)20000VIAC Output (on-grid)20000VIMinited output aprent20000VIMinited output output33.4AMinited output output38.4AMinited output output38.4AMinited output output38.4AMinited output output38.4AMinited output output10.8 ked/and -0.3 keg/angVMinited output output20000VMinited output output20000VMinited output output33.4AMinited output output33.4AMinited output output10.8 ked/angAMinited output output10.9 ked/angNMinited output output10.9 ked/angAMinited output output10.9 ked/angAMinited output output10.9 ked/angAMinited output output10.9 ked/angAMinited output output10.9									V			
MaxNon- Between 20AAC Output (on-grid)20AAC Output (on-grid)20000AAC Output (on-grid)20000VNon-Not output power30.4ANon-Not output power33.4ANon-Not output power38.0 / A00VNon-Not output power880 / A00VNon-Not output power880 / A00VPower footor880 / A00VPower footor880 / A00VPower footor88.0 / A00VPower footor98.3%VPower footor98.3%VPower footor98.3%VPower footor98.3%VNon-Non-Output power98.3%VNon-Non-Output power20000VNon-Non-Output power20000VNon-Non-Output power20000VNon-Non-Output power20000VNon-Non-Output power38.4ANon-Non-Output voltop38.4ANon-Non-Output voltop38.4ANon-Non-Output voltop18.898.4Non-Non-Output voltop00VNon-Non-Output voltop000Power fortor0000Setter yooden mode diaton1284Non-Non-Output voltop012840Non-Non-Output voltop012840Non-Non-Output voltop0<												
Ac. Output (on-grid) 20 A AC. Output (on-grid) 20000 W Max. dorp open (on-grid) 20000 V Max. dorp open (on-grid) 20000 V Max. dorp open (on-grid) 33.4 A Max. dorp open (on-grid) 33.4 A Max. dorp open (on-grid) V 80.7 400 V Max. dorp open (on-grid) 0.8 lood (on-grid) V V Max. dorp open (on-grid) V 80.7 400 V V Max. dorp open (on-grid) V 80.7 400 V V Max. dorp open (on-grid) V 80.7 400 V V Max. dorp open (on-grid) V 80.7 400 V V Max. dorp open (on-grid) V 90.7 92.8 × V V Max. dorp open (on-grid) V 90.7 92.8 × V V Max. dorp open (on-grid) V 90.4 00 V V N Max. dorp open (on-grid) V 90.4 00 V N N												
AC Output (on-grid) 20000 W Nominal output power 22000 VA Nominal output current 38.4 A Nominal output requency 80.4 A Nominal output requency 80.7 A Nominal output requency 80.7 HP Power factor 0.8 Bedrage - B8 logging HP Total current humonic distortion THP (2% E HE Coutput (bower 0.8 85.7 E HP Nax efficiency 85.7 E HP												
Nomma Luput power 2000 W Normal cuput current 30.4 A Normal cuput voltage 31.4 A Normal cuput voltage 30.4 A Normal cuput voltage 30.4 A Normal cuput voltage 30.4 A Normal cuput power 0.8 Nording - 0.			20									
Max 2200 VA Max 33.4 A Max 33.4 A Max 33.4 A Max 380.4 VA Max 380.4 VA Max 380.4 VA Max 980.4 VA Max 160.4	AC Output (on-grid)											
Naminal oxiguit ourrent3.0.4ANaminal oxiguit ventoga3.00 / 4.00VNaminal oxiguit ventoga3.00 / 4.00VNaminal oxiguit ventoga5.0 / 8.00VPower foctor0.8 leading - 0.8 loggingTelTatal current harmonic distantionTVTatal current harmonic distantion9.0 / 9.03VEfficiency9.0 / 9.03VLoropeon efficiency9.0 / 9.03WAdo culput power2.0000WNorminal oxiguit popeont power2.0000WNorminal oxiguit popeont power3.80.4ANorminal oxiguit popeont power3.80.4ANorminal oxiguit popeont power3.80.1ANorminal oxiguit popeont power0.0VNorminal oxiguit popeont power0.0VPower foctor0.8 doding - 0.8 loggingVTatis ventoga harmonic idistontonTHAV < 7.0	Nominal output power		20000									
Max. ouguel, ourset. 33.4 A Nominal ouguel, variate. 30/.400 V Nome indigits frequency 0.8 loading - 0.8 logging 112 Now if factor 0.8 loading - 0.8 logging 112 Efficiency 80.8 model in the 14 28 V Efficiency 80.8 model in the 14 28 V AC Output (backup) 90.9 % V Nominal output power 20000 W Nominal output ourset 30.4 A Nominal output votes 0.8 loading - 0.8 logging V Nominal output votes 0.8 loading - 0.8 logging V Nominal output votes 2.2 2 3 3 4 5 6 8 pcs pcs Signifies RAT 5.0 (50 N pcs Signifies RAT 5.0 (80 0 1 2 3 4 5 0 pc Signifies RAT	Max. output apparent power				22000				VA			
Immini gin linegum or	Nominal output current				30.4				A			
Immini gin linegum or	Max. output current				33.4				A			
Naminal grid frequencyHzPower factor0.0 0.000 grig1Total curver harmonic distortion98.3'1Efficiency98.3'1Kas efficiency98.3'1COuput (backup) *98.3'1AC Ouput (backup) *20000WMark and trainery20000WMark and trainery38.4ANominal augut apparent power38.4ANominal augut aurent38.4ANominal augut stragenery50 / 80YNominal augut stragenery50 / 80YNominal augut stragenery50 / 80YNominal augut stragenery100 a 00Battery Connection122 2 3 4 4 5 66Battery Connection123 3 4 5 6 6pcsSigensfor BAT 50 / 8021 2 3 4 5 6pcsSigensfor BAT 50 / 8001 2 3 4 5 6 6pcsSigensfor BAT 50 / 80921 0 0 0 0 0pcsSigensfor BAT 50 / 801 2 3 4 5 6 6pcsSigensfor BAT 50 / 8093 4 5 6 6pcsSigensfor BAT 800 1 3 4 201 2 8 8 35 4 0pcs <tr< td=""><td></td><td></td><td></td><td></td><td>380 / 400</td><td></td><td></td><td></td><td>V</td></tr<>					380 / 400				V			
Prover forcer OB loading ~ 08 loging . Total current homonic distortion THO i < 2%		· · · · ·			50 / 60				Hz			
Total curves hormonic distortion THDI < 2% Efficiency 98.3% Kax efficiency 98.3% Record officiency 97.9% AC Output (backup) 's 97.9% AC Output power 20000 W Nominal cuput power 20000 W Max dupt operant power 20000 W Max dupt operant power 30.4 A Max dupt ourient 30.4 A Moninal cuput ourient 30.4 A Moninal cuput frequency 50 / 60 Y Nominal cuput frequency 50 / 60 Y Naminal cuput frequency 0 ms Ms Power factor 0 0 0 0 power Editaty module mondels 2 2 3 4 5 6 post Sigenstor RAT 50 2 1 0 0 0 post post Sigenstor RAT 50 2 1 0 0 0 post post <t< td=""><td></td><td></td><td></td><td>0.8</td><td></td><td>ging</td><td></td><td></td><td></td></t<>				0.8		ging						
Max. dPickency 98.3% Luropean efficiency 97.9% AC Output (backup) ' 97.9% Nominal output power 20000 W Nominal output variant 30.4 A Max. duput power 20000 V Nominal output valtage 30.4 A Max. duput power 0 18.2 Nominal output valtage 30.4 A Nominal output valtage 0 V Nominal output valtage 0.8 18.2 Disuption time of backup switch 3 0 mrs Battery Connection 12 3 4 5 6 pcs Sigenstor BAT 50 2 1 0 0 0 pcs 5 6 pcs Sigenstor BAT 50 1 2 3 4 5 6 pcs Sigensto	Total current harmonic distortion					5 0						
Max. dPickency 98.3% Luropean efficiency 97.9% AC Output (backup) ' 97.9% Nominal output power 20000 W Nominal output variant 30.4 A Max. duput power 20000 V Nominal output valtage 30.4 A Max. duput power 0 18.2 Nominal output valtage 30.4 A Nominal output valtage 0 V Nominal output valtage 0.8 18.2 Disuption time of backup switch 3 0 mrs Battery Connection 12 3 4 5 6 pcs Sigenstor BAT 50 2 1 0 0 0 pcs 5 6 pcs Sigenstor BAT 50 1 2 3 4 5 6 pcs Sigensto	Efficiency											
burgen efficiency 97.9% AC Output (backup) ' Nominal output power 20000 W Nominal output power 20000 W Nominal output ourent 30.4 A Nominal output voltage 33.4 A Nominal output reguency 50.760 Hz Power foctor 0.8 leading - 0.8 logging Total voltage harmonic distotion Disruption time of backup switch * 0 ms ms Battery modules 2 2 3 4 5 6 pcs Sigenstor BAT 6.0 0 1 2 3 4 5 6 pcs Sigenstor BAT 6.0 0 1.2 3 4 5 6 pcs Sigenstor BAT 6.0 0 1.2 3 4.6 6 pcs Si												
AC Output (backup) ' ////////////////////////////////////	*											
Nominal output power 2000 W Max. output opparent power 22000 W Max. output outparent power 22000 W Max. output outparent power 334 A Max. output outrent 334 A Max. output outrent 334 A Max. output outrent 334 A Mominal output frequency 80 / 400 V Nominal output frequency 80 / 800 Hz Power factor 0 80 leading - 0.8 loagging Tack voltage harmonic distortion ThUV < 2%					97.9%							
Max. output apparent power 22000 W Nominal output current 30.4 A Max. output current 33.4 A Nominal output voltage 380 / A00 V Power factor 0.8 leading - 0.8 lagging V Power factor 0.8 leading - 0.8 lagging Hz Total voltage harmonic distortion THDv - 2% ms Battery Connection 0 ms Bottary module models 2 2 3 4 5 6 pcs SigenStor BAT 5.0 2 1 0 0 0 pcs SigenStor BAT 5.0 0 1 2 3 4 5 6 pcs SigenStor BAT 5.0 0 1 2 3 4 5 6 pcs SigenStor BAT 5.0 0 1 2 3 4 5 6 pcs SigenStor BAT 5.0 0 1 2 3 4 5 6 pcs	AC Output (backup) ¹											
Nominal output current 30.4 A Max output current 33.4 A Max output current 33.4 A Nominal output trequency 50 / 60 V Power factor 0.8 leading - 0.8 lagging Hz Total voltage harmonic distortion THDv < 2%	Nominal output power				20000				W			
Max output outrant 334 A Nominal output voltage 380 / 400 V Nominal output requency 50 / 60 V Power foctor 0.81 leading-0.80 lagging V Total voltage harmonic distortion THD+ < 2%	Max. output apparent power				22000				W			
Nominal output voltage 380 / 400 V Nominal output frequency 56 / 60 Hz Down factor 0.8 leading - 0.8 logging Hz Total voltage harmonic distortion THDv < 2%	Nominal output current											
Nominal output frequency 50 / 60 Hz Power fractor 0.8 leading - 0.8 logging I Total voltage harmonic distortion THDv < 2%	Max. output current											
Power factor 0.8 leading - 0.8 lagging Tatal voltage harmonic distortion THDV - 2%. Battery Connection sigenstor BAT 5.0 / 80. Battery module models Sigenstor BAT 5.0 / 80. Number of backup switch ² 2 2 3 4 5 6 pcs Sigenstor BAT 5.0 2 1 0 0 0 0 pcs Sigenstor BAT 8.0 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0 0 1 2 3 4 5 6 pcs Sigenstor BAT 8.0 0.4 13.0 16.6 23.4 31.2 39 46.8 KWh Usable energy capacity 0 18.4 10.9 18.4 20.9 26.8 33.5 4	Nominal output voltage				380 / 400				V			
Total voltage harmonic distortion THDV < 2% mmm Disruption time of backup switch ² 0 mms Battery Connection SigenStor BAT 5.0 / 8.0 Number of bottery modules 2 2 3 4 5 6 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 3.9 46.8 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 3.9 46.8 kWh Usable voltage range 97% - 97% - - - - - - - - - - - - - </td <td>Nominal output frequency</td> <td></td> <td></td> <td></td> <td>50 / 60</td> <td></td> <td></td> <td></td> <td>Hz</td>	Nominal output frequency				50 / 60				Hz			
Total voltage harmonic distortion THDV < 2% mmm Disruption time of backup switch ² 0 mms Battery Connection SigenStor BAT 5.0 / 8.0 Number of bottery modules 2 2 3 4 5 6 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 3.9 46.8 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 3.9 46.8 kWh Usable voltage range 97% - 97% - - - - - - - - - - - - - </td <td>Power factor</td> <td></td> <td></td> <td>0.8</td> <td>leading ~ 0.8 lag</td> <td>ging</td> <td></td> <td></td> <td></td>	Power factor			0.8	leading ~ 0.8 lag	ging						
Disruption time of backup switch ² 0 ms Battery Connection Sigenstor BAT 5.0 / 8.0 Battery module models Sigenstor BAT 5.0 / 8.0 Number of backup switch ² 2 3 4 5 6 pcs Sigenstor BAT 5.0 2 1 0 0 0 0 pcs Sigenstor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 1612 24.18 32.24 40.3 48.36 kWh Depth of discharge ⁴ 97% 4 5 6 pcs Max charging or discharging current 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 V V V V V Protection Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, Circuit protection V	Total voltage harmonic distortion				THDv < 2%							
Battery module models SigenStor BAT 5.0 / 8.0 Number of battery modules 2 2 3 4 5 6 pcs SigenStor BAT 5.0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97% 4 A A A A A A A A A Battery module voltage range 600 - 900 V	Disruption time of backup switch ²				0				ms			
Battery module models SigenStor BAT 5.0 / 8.0 Number of battery modules 2 2 3 4 5 6 pcs SigenStor BAT 5.0 2 1 0 0 0 0 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97% 4 A A A A A A A A A Battery module voltage range 600 - 900 V	Battery Connection											
Number of battery modules 2 2 2 3 4 5 6 pcs SigenStor BAT 5.0 2 1 0 0 0 0 0 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Dept of discharging current 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 V V V V V V V V <				Cir		0.0						
SigenStor BAT 5.0 2 1 0 0 0 0 0 pcs SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Depth of discharge and the approximation of t				-	-							
SigenStor BAT 8.0 0 1 2 3 4 5 6 pcs Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Usable energy capacity 0.0 13.4 20.1 26.8 33.5 40 A Max charging or discharging current 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 - 900 V V V V Protection Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, AC overcurrent/overvoltage/short-circuit protection. Non-isolation Inverter topology Non-isolation V V V Overvoltage category DC II, AC III Coercourrent/overvoltage/short-circuit protection. KVIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII								·				
Total energy capacity 10.76 13.44 16.12 24.18 32.24 40.3 48.36 kWh Usable energy capacity ³ 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>· · ·</td></t<>									· · ·			
Usable energy capacity ³ 10.4 13.0 15.6 23.4 31.2 39 46.8 kWh Depth of discharge ⁴ 97% 97%<	5											
Depth of discharge 4 97% Max charging or discharging current 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection 600 ~ 900 V V Safety protection feature Arc fault circuit interrupter 5, DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, AC overcurrent/overvoltage/short-circuit protection. V Inverter topology Non-isolation I V Overvoltage category DC II, AC III Activa anti-islanding protection Storage temperature range 50/190/260 850/190/260 850/190/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 - 60 °C °C °C °C °C Relative humidity range 0% - 95% 4000 m °C °C °C Operating altitude 4000 Natural convection m °C °C												
Max charging or discharging current 8.4 10.9 13.4 20.1 26.8 33.5 40 A Battery module voltage range 600 ~ 900 V V Protection Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Non-isolation V Inverter topology Non-isolation I V V Overvoltage category I Overvoltage category I V Active anti-islanding protection Frequency shift V V V Dimensions (W / H / D) 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -22 - 50 °C °C °C °C °C Operating temperature range -22 - 55 °C °C °C °C °C Operating temperature range -20 - 55 <		10.4	13.0	15.6		31.2	39	46.8	kWh			
Battery module voltage range 600 - 900 V Protection Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation V Protective class I V Overvoltage category DC II, AC III V Active anti-islanding protection Frequency shift V General Data \$\$50/190/260 \$\$50/1450/260 \$\$50/120/260 \$\$00/190/260 \$\$00/190/260 \$\$00 Weight 153 168 183 254 325 396 467 kg Storage temperature range -20 - 55 -20 - 55 °C °C Operating altitude -0% - 95% m m Max. operating altitude 4000 m m Cooling Natural convection m m					-							
Protection Safety protection feature Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection. Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data I Dimensions (W / H / D) 850/910/260 850/1450/260 850/1720/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C °C Operating temperature range -0% ~ 95% °C °C °C °C °C Operating altitude -0000 mm mm °C °C °C Operating altitude -0% ~ 95% mm °C °C °C °C Operating altitude -0% ~ 95% mm °C °C °C °C Oling Natural convection<		8.4	10.9	13.4		26.8	33.5	40				
Arc fault circuit interrupter ⁵ , DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Type II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataSto/180/260850/180/260850/1720/260850/1990/260mmWeight153168183254325396467kgStorage temperature range-22 - 60°C°CRelative humidity range0% ~ 95%mmMax. operating altitude4000mCoolingNatural convectionm					600 ~ 900				V			
Safety protection featureType II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataDimensions (W / H / D)850/190/260850/180/260850/1720/260850/190/260mmWeight153168183254325396467kgStorage temperature range-25 ~ 60C°COperating temperature range-20 ~ 55°CRelative humidity range0% ~ 95%m°CMax. operating altitude4000mCoolingNatural convectionmSystem ingress protection ratingIP66IP66	Protection											
Safety protection featureType II DC/AC surge protection, Anti-islanding protection, AC overcurrent/overvoltage/short-circuit protection.Inverter topologyNon-isolationProtective classIOvervoltage categoryDC II, AC IIIActive anti-islanding protectionFrequency shiftGeneral DataDimensions (W / H / D)850/190/260850/180/260850/1720/260850/190/260mmWeight153168183254325396467kgStorage temperature range-25 ~ 60C°COperating temperature range-20 ~ 55°CRelative humidity range0% ~ 95%m°CMax. operating altitude4000mCoolingNatural convectionmSystem ingress protection ratingIP66IP66		Arc fault circu	it interrupter ⁵ . D0	C reverse polarit	v protection. Insu	lation monitorin	a. Residual curre	ent monitorina.				
Inverter topology Non-isolation Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Dimensions (W / H / D) 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% m m Max. operating altitude 4000 m m Cooling Natural convection m refere	Safety protection feature											
Protective class I Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Storage temperature range Storage temperature range 252 ~ 60 Sto/1720/260 Sto/1990/260 mm Veight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% m m Cooling Natural convection m	Inverter ten elegy											
Overvoltage category DC II, AC III Active anti-islanding protection Frequency shift General Data Stol/1450/260 850/1720/260 850/1990/260 mm Dimensions (W / H / D) 850/910/260 850/180/260 850/1720/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 -25 - °C Operating temperature range -20 ~ 55 - °C Relative humidity range 0% ~ 95% m m Cooling Natural convection m System ingress protection rating IP66 IP66 IP66					NON-ISOIGLION							
Active anti-islanding protection Frequency shift General Data Stol/910/260 850/1180/260 850/120/260 850/1990/260 mm Dimensions (W / H / D) 850/910/260 850/1180/260 850/120/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C Operating temperature range -20 ~ 55 °C °C °C Relative humidity range 0% ~ 95% °C m Cooling Natural convection					1							
General Data Dimensions (W / H / D) 850/910/260 850/1180/260 850/120/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C °C °C °C Operating temperature range -20 ~ 55 °C °C °C °C Relative humidity range 0% ~ 95% °C												
Dimensions (W / H / D) 850/910/260 850/1180/260 850/1450/260 850/1720/260 850/1990/260 mm Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% °C Max. operating altitude 4000 m Cooling Natural convection m System ingress protection rating IP66 IP66					Frequency shift							
Weight 153 168 183 254 325 396 467 kg Storage temperature range -25 ~ 60 °C Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% °C Max. operating altitude 4000 m Cooling Natural convection m System ingress protection rating IP66 IP66	General Data											
Storage temperature range-25 ~ 60°COperating temperature range-20 ~ 55°CRelative humidity range0% ~ 95%°CMax. operating altitude4000mCoolingNatural convectionSystem ingress protection ratingIP66								· <u>·</u> ···	mm			
Operating temperature range -20 ~ 55 °C Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66	Weight	153	168	183	254	325	396	467	kg			
Relative humidity range 0% ~ 95% Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66	Storage temperature range				-25 ~ 60				°C			
Max. operating altitude 4000 m Cooling Natural convection System ingress protection rating IP66	Operating temperature range				-20 ~ 55				°C			
Cooling Natural convection System ingress protection rating IP66	Relative humidity range				0% ~ 95%							
System ingress protection rating IP66	Max. operating altitude		4000									
	Cooling			١	latural convectio	n						
Communication WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)	System ingress protection rating				IP66							
	Communication		WLAN	/ Fast Ethernet /	RS485 / Sigen C	ommMod (4G/3	G/2G)					

The backup function is achieved by the external device: Sigen Energy Gateway.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life. 2. 3.

4. This refers to the usable energy capacity of entire system.

^{5.} * This is an optional feature only supported in certain models, please contact Sigenergy for more information.

SigenStor	25T-10	25T-13	25T-16	25T-24	25T-32	25T-40	25T-48	Units
DC Input (from PV)								
• • •				40000				
Max. PV power				40000				W
Max. DC input voltage				1100				V
Nominal DC input voltage				600				V
Start-up voltage				180				V
MPPT voltage range				160 ~ 1000				V
Number of MPP. trackers				4				
Number of PV strings per MPPT				1				
Max. input current per MPPT				16				A
Max. short-circuit current per MPPT				20				Α
AC Output (on-grid)								
Nominal output power				25000				W
Max. output apparent power				27500				VA
Nominal output current				38.0				A
Max. output current				41.8				А
Nominal output voltage				380 / 400				V
Nominal grid frequency				50 / 60				Hz
Power factor			0.8	leading ~ 0.8 lage	ging			
Total current harmonic distortion				THDi < 2%				
Efficiency								
Max. efficiency				98.3%				
European efficiency				98.0%				
				00.070				
AC Output (backup) ¹								
Nominal output power				25000				W
Max. output apparent power				27500				W
Nominal output current				38.0				Α
Max. output current				41.8				A
Nominal output voltage				380 / 400				V
Nominal output frequency				50 / 60				Hz
Power factor			0.8	leading ~ 0.8 lage	ging			
Total voltage harmonic distortion				THDv < 2%				
Disruption time of backup switch ²				0				ms
Battery Connection								
Battery module models			Sig	genStor BAT 5.0 /	8.0			
Number of battery modules	2	2	2	3	4	5	6	pcs
SigenStor BAT 5.0	2	1	0	0	0	0	0	pcs
SigenStor BAT 8.0	0	1	2	3	4	5	6	pcs
Total energy capacity	10.76	13.44	16.12	24.18	32.24	40.3	48.36	kWh
Usable energy capacity ³	10.4	13.0	15.6	23.4	31.2	39	46.8	kWh
Depth of discharge ⁴				97%				
Max charging or discharging current	8.4	10.9	13.4	20.1	26.8	33.5	40	A
Battery module voltage range				600 ~ 900				V
Protection								
	Arc fault circu	it interrupter ⁵ , D	C reverse polari	ty protection, Insu	ulation monitorin	ng, Residual curre	ent monitoring,	
Safety protection feature				protection, AC ov		-	-	
Inverter topology	,, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5 10 101		Non-isolation	. ,	<u> </u>		
Protective class				1				
Overvoltage category				DC II, AC III				
Active anti-islanding protection				Frequency shift	·			
				Trequency shirt				
General Data								
Dimensions (W / H / D)	150	850/910/260	100	850/1180/260	850/1450/260	850/1720/260	850/1990/260	mm
Weight	153	168	183	254	325	396	467	kg
Storage temperature range				-25 ~ 60				°C
Operating temperature range				-20 ~ 55				°C
Relative humidity range				0% ~ 95%				
Max. operating altitude				4000				m
Cooling			1	Natural convectio	n			
System ingress protection rating			/ Found Fall	IP66	ananat 11 / 10 /0			
Communication		VVLAN	/ Fust Ethernet ,	/ RS485 / Sigen C	ummivioa (4G/3	0/20)		

The backup function is achieved by the external device: Sigen Energy Gateway.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life. 2. 3.

4. This refers to the usable energy capacity of entire system.

5. * This is an optional feature only supported in certain models, please contact Sigenergy for more information.

SigenStor	30T-16	30T-24	30T-32	30T-40	30T-48	Units						
DC Input (from PV)												
Max. PV power			48000		-	W						
Max. PV power Max. DC input voltage			1100									
Nominal DC input voltage			600			v						
Start-up voltage			180			v						
MPPT voltage range			160 ~ 1000									
Number of MPP. trackers		4										
Number of PV strings per MPPT		1										
Max. input current per MPPT		16										
Max. short-circuit current per MPPT		20										
AC Output (on-grid)		20										
Nominal output power			29999			W						
Max. output apparent power			29999			VA						
Nominal output current			43.4			A						
Max. output current			43.4			A						
Nominal output voltage			380 / 400			X						
Nominal grid frequency			50 / 60			Hz						
Power factor			0.8 leading ~ 0.8 lagging	a								
Total current harmonic distortion			THDi < 2%	5								
Efficiency												
Max. efficiency			98.3%									
European efficiency			98.0%									
AC Output (backup)												
Nominal output power			30000			W						
Max. output apparent power		33000										
Nominal output current		45.5										
Max. output current		50.0										
Nominal output voltage			380 / 400			A						
Nominal output frequency			50 / 60			Hz						
Power factor			0.8 leading ~ 0.8 lagging	9								
Total voltage harmonic distortion			THDv < 2%	~								
Disruption time of backup switch ²			0			ms						
Battery Connection												
Battery module models			SigenStor BAT 5.0 / 8.0									
Number of battery modules	2	3	4	5	6							
SigenStor BAT 5.0	0	0	0	0	0	pcs						
SigenStor BAT 8.0	2	3	4	5	6	pcs						
Total energy capacity	16.12	24.18	32.24	40.3	48.36	kWh						
Usable energy capacity ³	15.6	23.4	31.2	39	46.8	kWh						
Depth of discharge ⁴	10.0	20.4	97%		40.0							
Max charging or discharging current	13.4	20.1	26.8	33.5	40	A						
Battery module voltage range			600 ~ 900			V						
Protection												
Trotection												
Safety protection feature			ity protection, Insulation			be						
	II DC/AC surge pro	otection, Anti-islanding	protection, AC overcurr	rent/overvoltage/short	-circuit protection.							
Inverter topology			Non-isolation									
Protective class												
Overvoltage category			DC II, AC III									
Active anti-islanding protection			Frequency shift									
General Data												
Dimensions (W / H / D)	850/910/260	850/1180/260	850/1450/260	850/1720/260	850/1990/260	mm						
Weight	183	254	325	396	467	kg						
Storage temperature range			-25 ~ 60			°C						
Operating temperature range			-20 ~ 55			°C						
Relative humidity range		0% ~ 95%										
Max. operating altitude		4000										
Cooling			Natural convection									
System ingress protection rating		IP66										
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)											

The backup function is achieved by the external device: Sigen Energy Gateway.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life. 2. 3.

4. This refers to the usable energy capacity of entire system.

```
5.
*
      This is an optional feature only supported in certain models, please contact Sigenergy for more information.
```