SIMPO 5000

Versatile for On-grid and Off-grid Use
Ideal for Tough Scenarios

Self-Managed
2 Communication Options: Managed (CAN/ RS485) & Self-managed

Charging At -10°C
Cold-resistant battery ensures reliable performance, down to -10°C

Pre-Wired Cabinet
Pre-wired battery cabinets to suit 6 or 10 batteries for ease of installation and better space utilisation

Hot Swappable
Easy maintenance, without system interruption

Auto Setup
Automated setup - no APP required. Quick install gets you running in minutes

80 Max Scalability
Up to 80 units in parallel, no additional comms needed. Standard 19" rack ensures project flexibility

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SIMPO 5000

51.2V Battery System
5.12kWh/100Ah

System Data	SIMPO 5000
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	100Ah
Energy (Usable)	5.12kWh
Nominal Voltage	51.2V
Voltage Range	40.8V~58.08V
Weight	44kg
Dimension (WxHxD)	440mm×134mm×480mm
Maximum Continuous Current	100A
Peak Current (5 Seconds)	200A
Efficiency (@0.5C)	95.0%
Communication	CAN / RS485 / No-Com
Life Cycles	> 6,000 (@25°C)
Certificates	UN38.3, CE, IEC62619
Charging Temperature	-10°C~+55°C
Discharging Temperature	-20°C~+55°C
Scalability	Max 80 Units In Parallel

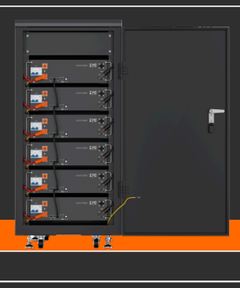
General Data	SIMPO Cabinet6	SIMPO Cabinet10
Dimension (W×D×H)	620mm×600mm×1270mm	620mm×600mm×1890mm
Fixation	4 X Wheels For Easy Moving And 4 Feet For Load-Bearing	
Max. Qty of modules	6 (30.72kWh)	10 (51.2kWh)
Max. continuous current (busbar)	600A (With M10 Nut Bolting)	1000A (With M12 Nut, Bolting
Battery Interconnection	Pre-Wired Quick Connector With 4AWG UL Cable	
DC circuit breaker	None	
Cable entry	Top Entry	
IP rating	IP20	IP20
Weight	90kg	120kg

Victron

	Single-Phase		Three-Phase	
	On Grid	Off Grid	On Grid	Off Grid
Multiplus 48/3000/35	1	1	2	3
Multiplus 48/5000/70	1	2	2	4
Multiplus II (GX) 48/3000/35-32	1	1	1	3
Multiplus II (GX) 48/5000/70-50	1	2	2	4
Multiplus II 120V 48/3000/35-50	1	2	1	3
Multiplus II 48/8000/110-100	1	3	3	7
Multiplus II 48/10000/140-100	2	3	3	8
Multiplus II 48/15000/200-100	2	4	4	12
Quattro 48/5000/70-100/100	1	2	2	4
Quattro 48/8000/110-100/100	1	3	2	7
Quattro 48/10000/140-100/100	2	3	3	8
Quattro 48/15000/200-100/100	2	4	4	12
Easysolar 48/3000/35-50 MPPT 150/70	1	1	2	3
Easysolar 48/5000/70-100 MPPT 150/100	1	2	2	4
Easysolar II 48/3000/35-32 MPPT 250/70 GX	1	1	2	3
Easysolar II 48/5000/70-50 MPPT 250/100 GX	1	2	2	4

SMA

	Single-Phase		Three-Phase	
	On Grid	Off Grid	On Grid	Off Grid
SI 4.4M	1	2	3	4
SI 6.0H	2	2	4	6
SI 8.0H	2	3	5	8
6048-US	-	3	-	8



Studer

	Single-Phase		Three-Phase	
	On Grid	Off Grid	On Grid	Off Grid
XTS 1400-48	1	1	1	2
XTM 2600-48	1	1	1	2
XTM 4000-48	1	1	2	4
XTH 6000-48	1	2	3	5
XTH 8000-48	2	3	4	7
Next1	1	1	-	-
Next3	-	-	3	4
Next3 Rack	-	-	3	4
VT-40	1	1	-	-
VT-65	1	1	-	-
VT-80	1	1	-	-
VS-70	1	1	-	-
VS-120	2	2	-	-

Deye

	Einphasig		Dreiphasig	
	On Grid	Off Grid	On Grid	Off Grid
SUN-3.6K-SG01LP1-EU	1	1	-	-
SUN-5K-SG01LP1-EU	1	2	-	-
SUN-6K-SG01LP1-EU	1	2	-	-
SUN-7.6K-SG01LP1-EU	1	2	-	-
SUN-8K-SG01LP1-EU	1	2	-	-
SUN-12K-SG01LP1-EU	2	3	-	-
SUN-14K-SG01LP1-EU	3	4	-	-
SUN-16K-SG01LP1-EU	3	4	-	-
SUN-7.6K-SG02LP1-EU-AM2	1	2	-	-
SUN-8K-SG02LP1-EU-AM2	2	2	-	-
SUN-10K-SG02LP1-EU-AM3	2	3	-	-
SUN-12K-SG02LP1-EU-AM3	2	3	-	-
SUN-3.6K-SG03LP1-EU	1	1	-	-
SUN-5K-SG03LP1-EU	2	2	-	-
SUN-5K-SG04LP3-EU	-	-	1	2
SUN-6K-SG04LP3-EU	-	-	1	2
SUN-8K-SG04LP3-EU	-	-	2	2
SUN-10K-SG04LP3-EU	-	-	2	3
SUN-12K-SG04LP3-EU	-	-	2	3
SUN-3K-SG05LP3-EU	-	-	1	1
SUN-4K-SG05LP3-EU	-	-	1	1
SUN-5K-SG05LP3-EU-SM2	-	-	1	2
SUN-6K-SG05LP3-EU-SM2	-	-	1	2
SUN-8K-SG05LP3-EU-SM2	-	-	2	2
SUN-10K-SG05LP3-EU-SM2	-	-	2	3
SUN-12K-SG05LP3-EU-SM2	-	-	2	3
SUN-14K-SG05LP3-EU-SM2	-	-	3	4
SUN-15K-SG05LP3-EU-SM2	-	-	3	4
SUN-16K-SG05LP3-EU-SM2	-	-	4	4
SUN-18K-SG05LP3-EU-SM2	-	-	4	5
SUN-20K-SG05LP3-EU-SM2	-	-	4	6