

# SIMPO 5000

## Recommended Minimum Configuration List -- AU

**ZYC ENERGY**  
**ZERO YOUR CARBON**

Version: V2.3

Released Date: 2025-08-12



## Recommended Minimum Configuration For Use With Different Inverters

The following minimum configurations are recommended for building a system with different model of inverters. Deviations from these recommendations are NOT acceptable. Particularly for off-grid operation, the minimum number of batteries should be met wherever possible.

When starting some loads like motor, high starting currents may occur for a short period of time, so more batteries than the recommended minimum configuration may be required when configuring the system.

### Victron

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
Multipus 48/500/6	≥1	≥1	≥1	≥1
Multipus 48/800/9	≥1	≥1	≥1	≥1
Multipus 48/1200/13	≥1	≥1	≥1	≥1
Multipus 48/1600/20	≥1	≥1	≥1	≥2
Multipus 48/2000/25	≥1	≥1	≥1	≥2
Multipus 48/2000/25-50 120V	≥1	≥1	≥1	≥2
Multipus 48/3000/35	≥1	≥1	≥2	≥3
Multipus 48/5000/70	≥1	≥2	≥2	≥4
Multipus II (GX) 48/3000/35-32	≥1	≥1	≥1	≥3
Multipus II (GX) 48/5000/70-50	≥1	≥2	≥2	≥4
Multipus II 120V 48/3000/35-50	≥1	≥2	≥1	≥3
Multipus II 48/8000/110-100	≥1	≥3	≥3	≥7
Multipus II 48/10000/140-100	≥2	≥3	≥3	≥8
Multipus II 48/15000/200-100	≥2	≥4	≥4	≥12
Quattro 48/3000/35-50/50 120V	≥1	≥1	≥2	≥3
Quattro 48/5000/70-100/100 120V	≥1	≥2	≥2	≥4
Quattro 48/10000/140-100/100 120V	≥2	≥3	≥4	≥8
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
Quattro 48/15000/200-100/100 277V	≥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

## Selectronic

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
SPMC480-AU	≥1	≥2	≥3	≥5
SPMC481-AU	≥1	≥3	≥3	≥7
SPMC482-AU	≥2	≥4	≥5	≥11

## Deye

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
SUN-3K-SG04LP1-AU	1	1	-	-
SUN-3.6K-SG04LP1-AU	1	1	-	-
SUN-5K-SG04LP1-AU	1	2	-	-
SUN-6K-SG04LP1-AU	1	2	-	-
SUN-8K-SG05LP1-AU	2	2	-	-
SUN-10K-SG02LP1-AU-AM3	2	3	-	-
SUN-12K-SG02LP1-AU-AM3	2	3	-	-
SUN-12K-SG01LP1-AU-AM3	2	3	-	-
SUN-14K-SG01LP1-AU-AM3	2	3	-	-
SUN-16K-SG01LP1-AU-AM3	3	4	-	-
SUN-5K-SG04LP3-AU	-	-	1	2
SUN-6K-SG04LP3-AU	-	-	1	2
SUN-8K-SG04LP3-AU	-	-	2	3
SUN-10K-SG04LP3-AU	-	-	2	3
SUN-12K-SG04LP3-AU	-	-	2	3
SUN-14K-SG05LP3-AU-SM2	-	-	3	4
SUN-15K-SG05LP3-AU-SM2	-	-	3	4
SUN-16K-SG05LP3-AU-SM2	-	-	4	4
SUN-18K-SG05LP3-AU-SM2	-	-	4	5
SUN-20K-SG05LP3-AU-SM2	-	-	4	6

## SMA

Model	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

## Goodwe

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
GW3000-ES-20	≥1	≥1	-	-
GW3600-ES-20	≥1	≥1	-	-
GW3600M-ES-20	≥1	≥1	-	-
GW5000-ES-20	≥1	≥2	-	-
GW5000M-ES-20	≥1	≥2	-	-
GW6000-ES-20	≥1	≥2	-	-
GW6000M-ES-20	≥1	≥2	-	-
GW8000-ES-C10	≥2	≥2	-	-
GW10K-ES-C10	≥2	≥3	-	-
GW12K-ES-C10	≥3	≥3	-	-
GW3648D-ES	≥1	≥1	-	-
GW5048D-ES	≥1	≥2	-	-
GW3048-EM	≥1	≥1	-	-
GW3648-EM	≥1	≥1	-	-
GW5048-EM	≥1	≥2	-	-
GW3600S-BP	≥1	≥1	-	-
GW5000S-BP	≥1	≥2	-	-
GW2500-BP	≥1	≥1	-	-
GW3600-SBP-20 (G2)	≥1	≥1	-	-
GW5000-SBP-20 (G2)	≥1	≥2	-	-
GW6000-SBP-20 (G2)	≥2	≥2	-	-

## Solis

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
S5-EH1P3K-L	≥1	≥1	--	--
S5-EH1P3.6K-L	≥1	≥1	--	--
S5-EH1P4.6K-L	≥1	≥1	--	--
S5-EH1P5K-L	≥1	≥2	--	--
S5-EH1P6K-L	≥1	≥2	--	--
S6-EA1P3.6K-L	≥1	≥1	--	--
S6-EA1P4.6K-L	≥1	≥1	--	--
S6-EA1P5K-L	≥1	≥2	--	--
S6-EA1P6K-L	≥1	≥2	--	--
S6-EH1P3K-L-PRO	≥1	≥1	--	--
S6-EH1P3.6K-L-PRO	≥1	≥1	--	--
S6-EH1P5K-L-PRO	≥1	≥2	--	--
S6-EH1P6K-L-PRO	≥1	≥2	--	--
S6-EH1P8K-L-PRO	≥1	≥2	--	--
S6-EH1P3K-L-AU	≥1	≥1	--	--
S6-EH1P3.6K-L-AU	≥1	≥1	--	--
S6-EH1P4.6K-L-AU	≥1	≥1	--	--
S6-EH1P5K-L-AU	≥1	≥2	--	--
S6-EH1P6K-L-AU	≥2	≥2	--	--
S6-EH1P3K-L-PLUS-AU	≥1	≥1	--	--
S6-EH1P3.6K-L-PLUS-AU	≥1	≥1	--	--
S6-EH1P5K-L-PLUS-AU	≥1	≥2	--	--
S6-EH1P6K-L-PLUS-AU	≥2	≥2	--	--
S6-EH1P8K-L-PLUS-AU	≥2	≥3	--	--

## Noark

Model	Single-phase		Three-phase	
	On Grid	Off Grid	On Grid	Off Grid
Ex9N-DH-3KS-AU	≥1	≥1	-	-
Ex9N-DH-3KS-24-AU	≥1	≥1	-	-
Ex9N-DH-3.6KS-AU	≥1	≥1	-	-
Ex9N-DH-5KS-AU	≥1	≥2	-	-
Ex9N-DH-6KS-AU	≥1	≥2	-	-
Ex9N-DH-7.6KS-AU	≥1	≥2	-	-
Ex9N-DH-8KS-AU	≥1	≥3	-	-
Ex9N-DH-5KT-AU	-	-	≥1	≥2
Ex9N-DH-6KT-AU	-	-	≥1	≥2
Ex9N-DH-8KT-AU	-	-	≥1	≥3
Ex9N-DH-10KT-AU	-	-	≥1	≥3
Ex9N-DH-12KT-AU	-	-	≥1	≥4

## Studer

Model	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	-	-

## contact us



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