

SIMPO 5000

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



Self-Managed

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



Charging At -10°C

Low temperature friendly battery
 technology, ensures optimal
 charging even in winter, 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
 interruption of system running



Auto Setup

Automated setup, no app needed. Start
 running the system in minutes with a quick
 installation



80 Max Scalability

Up to 80 units in parallel, no extra
 communication parts needed, with a standard
 19-inch rack design for maximum project
 flexibility

Contact

ZYC
ENERGY

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SIMPO 5000

51.2V Battery System
 5.12kWh/100Ah



SIMPO 5000

System Data	
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
Short Circuit Current	2000A
Efficiency(@0.5C)	95.0%
Communication	CAN / RS485 / Self-Managed
Cycle Life	> 6,000 (@25°C)
Certificates	UN38.3, CE, IEC62619, CEC
Charging Temperature	-10°C~+55°C
Discharging Temperature	-20°C~+55°C
Scalability	Max 80 Units In Parallel

SIMPO Cabinet 6

SIMPO Cabinet 10

General Data		
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


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Selectronic

	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


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NOARK
EMPOWERING SUSTAINABILITY

Noark

	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


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victron energy
BLUE POWER

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


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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



Deye

	Single-Phase		Three-Phase	
	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

