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

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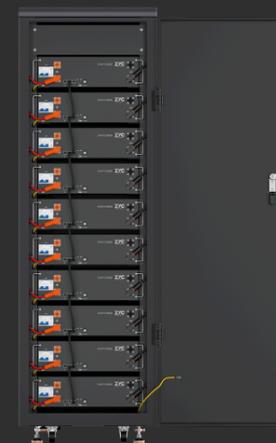
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SIMPO 5000

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
Efficiency(@0.5C)	95.0%
Communication	CAN / RS485 / Self-Managed
Cycle Life	> 8,000 (@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

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

	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