SIMPO 5000i

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

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

Reliable LFP Prismatic Cell
Reliability proved with Millions ESS installations

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

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

Hot Swappable
Easy maintenance, without system interruption

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

10 Years Performance Warranty
Offering 60% performance 10 years warranty

Integrated Circuit Breaker
Advanced system protection, ensuring the utmost safety for your power supply

Contact

ZYC Energy Company Limited
GuangKe Road 1, Pingshan, Shenzhen, P.R. China
+86 (0) 755-2839 4019
Service Contact: service@zyc.energy
Business Contact: sales@zyc.energy



SIMPO 5000i

51.2V Battery System
5.12kWh/100Ah



System Data	SIMPO 5000i
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 Charge Current	70A
Maximum Discharge Current	80A
Peak Discharge Current (5s)	150A
Efficiency (@0.5C)	95.0%
Communication	CAN / RS485 / No-Com
Certificates	UN38.3, CE
Charging Temperature	-0°C~+55°C
Discharging Temperature	-10°C~+55°C
Scalability	Max 80 Units In Parallel
Warranty	10 Years 60% Performance





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	3	5
Multiplus II (GX) 48/3000/35-32	1	1	2	3
Multiplus II (GX) 48/5000/70-50	1	2	3	5
Multi RS Solar 48/6000	1	2	4	6
Multiplus II 48/8000/110-100	2	3	6	8
Multiplus II 48/10000/140-100	2	3	7	9
Multiplus II 48/15000/200-100	3	5	10	14
Quattro 48/5000/70-100/100	1	2	3	5
Quattro 48/8000/110-100/100	1	2	6	8
Quattro 48/10000/140-100/100	2	3	7	9
Quattro 48/15000/200-100/100	3	5	10	14
Quattro-II 48/5000/70-50	1	2	3	5
Inverter RS Smart 48/6000	1	2	4	6
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	3	5





SMA

	Single-Phase		Three-Phase	
	On Grid	Off Grid	On Grid	Off Grid
SI 4.4M	1	2	3	5
SI 6.0H	1	2	4	5
SI 8.0H	2	3	5	7

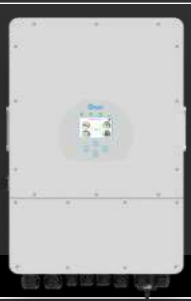




Studer

	Single-Phase		Three-Phase	
	On Grid	Off Grid	On Grid	Off Grid
XTS 1400-48	1	1	1	1
XTM 2600-48	1	1	1	3
XTM 4000-48	1	2	2	4
XTH 6000-48	1	2	4	6
XTH 8000-48	1	2	6	8
Next1	1	2	-	-
Next3	-	-	3	5
Next3 Rack	-	-	3	5
VT-40	1	1	-	-
VT-65	1	1	-	-
VT-80	1	1	-	-
VS-70	1	1	-	-
VS-120	1	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	2	3	-	-
SUN-8K-SG01LP1-EU	2	3	-	-
SUN-12K-SG01LP1-EU	3	4	-	-
SUN-14K-SG01LP1-EU	3	5	-	-
SUN-16K-SG01LP1-EU	4	6	-	-
SUN-7.6K-SG02LP1-EU-AM2	2	3	-	-
SUN-8K-SG02LP1-EU-AM2	2	3	-	-
SUN-10K-SG02LP1-EU-AM3	3	4	-	-
SUN-12K-SG02LP1-EU-AM3	3	4	-	-
SUN-3.6K-SG03LP1-EU	1	1	-	-
SUN-5K-SG03LP1-EU	1	2	-	-
SUN-5K-SG04LP3-EU	-	-	1	2
SUN-6K-SG04LP3-EU	-	-	1	2
SUN-8K-SG04LP3-EU	-	-	2	3
SUN-10K-SG04LP3-EU	-	-	3	4
SUN-12K-SG04LP3-EU	-	-	3	4
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	3
SUN-10K-SG05LP3-EU-SM2	-	-	3	4
SUN-12K-SG05LP3-EU-SM2	-	-	3	4
SUN-14K-SG05LP3-EU-SM2	-	-	3	5
SUN-15K-SG05LP3-EU-SM2	-	-	3	5
SUN-16K-SG05LP3-EU-SM2	-	-	4	6
SUN-18K-SG05LP3-EU-SM2	-	-	4	6
SUN-20K-SG05LP3-EU-SM2	-	-	5	7