SIMPO 5000

51.2V 3U Battery System

5.12kWh/100Ah

SIMPO 5000	
System Data	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Nominal Capacity	100Ah
Usable Capacity	5.12kWh/100Ah
Nominal Voltage	51.2V
Voltage Range	40.8v ~58.08v
Weight	44kg
Dimension(WxHxD)	482x134x518 mm
Maximum Continuous Current	100A
Peak Current (5 Seconds)	200A
Efficiency (@0.5C)	95.0%
Communication	CAN / No Com
Cycle Life	> 6,000 (25° C)
Certificates	UN38.3, CE, IEC62619
Charging Temperature	-10°C ~ +55°C
Discharging Temperature	-20°C ~ +55°C
Depth of Discharge (DOD)	100%
Scalability	Max 64 units in Parallel

---

12 Premium Benefits to Easy Your Project Easy

Communication Free Mode
2 comm options,
CAN communication managed&
communication free self-managed

No Communication Hub
No extra communication hub needed for parallel connections. Each batteny can be the master to manage the whole system

Charging at -10°C
Low temperature friendly battery technology, ensures optimal charging / discharging 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

64 Max Scalability
Up to 64 units in parallel, no extra communication parts needed, with a standard 19-inch rack design for maximum project flexibility

High C Rate
Power class increased with pre-wired DC busbar. Maximize the system power, minimize the battery size

Design Tool
Unique project calculator for effortless sizing and seamless pairing with inverters

Portal Monitoring
Simplify monitoring and control of your energy storage projects with a personalized online portal

10 Years Warranty
10 Years 70% performance warranty. We stand by the high quality and reliability of our solutions

Integrated Air Switch
Advanced system protection, ensuring the utmost safety for your power supply