

SIMPO 5000

51.2v 3U Battery System
5.12kWh/100Ah



SIMPO 5000	
System Data	
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity(Ah)	100Ah
Energy (Usable)	5.12kWh
Nominal Voltage	51.2v
Voltage Range	40.8v ~58.08v
Weight	46kg
Dimension(WxHxD)	440x134x480 mm
Maximum Continuous Current	100A
Peak Current(5 Seconds)	200A
Efficiency(@0.5C)	97.0%
Communication	CAN / No Com
Cycle Life	> 6,000 (25° C)
Certificates	UN38.3, CE, IEC62619
Charging Temperature	-10°C ~ +50°C
Discharging Temperature	-20°C ~ +55°C
Scalability	Max 64 units in Parallel

12 TOP benefits to make your project easy



Easy Connect

2 communication options:
CAN communication &
communication free



Max Scalability

Up to 64 units in parallel without extra
communication parts. Standard 19 inch
rack design, Maximize project flexibility



Pre-wired Cabinet

2 options, up to 6 units or 10 units
in one cabinet. offers 6 unit
parallel or 10 units parallel option



No Communication Hub

No extra communication hub needed
for parallel connections. Each battery
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



Remote Monitoring

Customized online web portal for
monitoring and controlling your energy
storage projects



Hot Swappable

Easy maintenance, without
interruption of system running



Quick Setup

Automatic system setup without App,
Run the system in minutes, minimum
installation process



Calculator Tools

Unique project calculator to help
you layout your project size,
Pairing with inverters



Integrated Air Switch

Advanced system protection, ensuring
the utmost safety for your power-
supply



10 Years warranty

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



1v1 Project Support

Free professional tech service for >
80kWh projects. 1v1 expert support for
project design, layout, and Installation