

SIMPO 5000

51.2V 3U Battery System

5.12kWh/100Ah



SIMPO 5000

System Data

Battery Type	LiFePO ₄ (Lithium Iron Phosphate)
Capacity(Ah)	100Ah
Energy (Usable)	5.12kWh
Nominal Voltage	51.2V
Voltage Range	40.8v ~58.08v
Weight	44kg
Dimension(WxHxD)	440x134x480 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
Scalability	Max 64 units in Parallel

12 Premium Benefits to Easy Your Project



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 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



Pre-wired Cabinet

Pre-wired battery cabinets to suit 6
or 10 batteries for ease of installa-
tion 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 person-
alized online portal



10 Years Warranty

10 Years 70% performance warran-
ty. 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