Powerbox G2

Powerbox G2 is a low-voltage product designed for residential energy storage scenarios, supporting up to 50 parallel units, 10.24kWh--512kWh energy coverage. With 6.5in slim design, there is no limit to the installation space. 1C Discharge, providing strong power for household electricity consumption.

Flexible Expansion

Up to 50 units in parallel, 10.24kWh--512kWh capacity

Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fire in 5s, automaticly pressure relief

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

1C Discharge

Max discharge current: 200A, simultaneously supplying power to multiple loads

Easy Installation

30% less volume, 15% less weight, save time and labor

IP66 Protection

Fearless of outdoor insatallition, strong environmental adaptability

Model	Powerbox G2
Battery Type	$LiFePO_4$
Nominal Battery Energy	10.24kWh
Usable Energy	9.728kWh
Operating Voltage	44.8-57.6V
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Charge or Discharge Power	5.12kW
Max Discharge Power	10.24kW
Recomended Charge & Discharge C Rate	0.5C
Max Discharge C Rate	1C
Recommended Charge/Discharge Current	100A
Max Discharge Current	200A
Peak Discharge Current	300A (2mins, 25°C)
Recommended Depth of Discharge (DOD)	95%
Net Weight	99.7kg
Dimension[W/D/H]	710/165/640mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle Life *	≥8000 cycles / 10 Years
Protection Level	IP66
Expansion	Up to 50 units in parallel
Color	White
WIFI Module	Built-in WIFI module; APP OTA function
Battery low temperature heating function	Optional
Active fire protection system	Built-in aerosol fire extinguisher
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/CE-RED/CEC
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

* Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD