

# 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, automatically 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 insatallation, strong environmental adaptability

Model	Powerbox G2
Battery Type	LiFePO <sub>4</sub>
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
Recommended 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

