

# 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,  
automatic pressure relief



## Automatic Self-heating

-20°C to 55°C  
operating temperature



## 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 installation,  
strong environmental adaptability

Model	Powerbox G2
Battery Type	Lithium-iron Phosphate (LiFePO <sub>4</sub> )
Nominal Battery Energy	10.24kWh
Nominal Capacity	200Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recomended Charge & Discharge C Rate	0.5C (100A)
Max. Discharge C Rate	1C (200A)
Peak Discharge Current (25°C)	300A (2min)
Usable Battery Energy	9.728kWh
Recommended Charging & Discharging Power	5.12kW
Max. Discharging Power	10.24kW
Depth of Discharge (DOD)	95%
Charging Temp. Range	-20°C~55°C
Discharging Temp. Range	-20°C ~55°C
Net Weight	99.7kg
Dimension[W/D/H]	710/165/640mm
Cycle Life *	≥8000 Cycles
Installation	Wall-mounted, Floor-mounted
Protection Level*	IP66
Communication	CAN/RS485
Expansion	Up to 50 units in parallel
WIFI Module	Built-in WIFI module; APP OTA function
Color	White
Fire Protection System	Built-in aerosol fire extinguisher
Certification	UN38.3/CE-EMC/IEC62619/IEC62040/CE-RED/CEC/CEI 0-21
Compatible Inverters	SMA/Victron energy/Ingeteam/Solis/GoodWe/Growatt/ Solplanet/Luxpower/DEYE/Apsystem etc.
Country of Manufacture	China

\* Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL

