

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 ₄)
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

