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

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 (LiFePO₄)
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	0°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 ℃, 95% DOD, 70%EOL

File version-20250812-EN(AU)
Information might be subject to change without notice during product improving.

www.dyness.com   sales@dyness-tech.com