

PowerDepot G2

PowerDepot G2 is a low-voltage product designed for residential energy storages. It supports 50 parallel units with a capacity range from 5.12kWh to 256kWh. It also has a high IP66 protection rating and supports indoor and outdoor installation. Built-in aerosol fire extinguisher that eliminates fire risks and ensures the safety of electricity in the home.



Flexible Expansion

Up to 50 units in parallel,
5.12kWh--256kWh capacity



IP66 Protection

Fearless of outdoor installation,
strong environmental adaptability



Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s



Automatic Self-heating

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



Easy Installation

Support wall-mounted,
floor-mounted installations,
high space utilization



Battery Equalization

Cell-level battery passive
balancing, prevents SOC jumps
and extends battery life

Model	PowerDeopt G2
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	5.12kWh
Usable Battery Energy	4.864kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C (50A)
Max. Charge C Rate	0.75C (75A)
Max. Discharge C Rate	1C (100A)
Peak Discharge Current (25°C)	200A, 2min
Recommended Charge & Discharge Power	2.56kW
Max. Charge Power	3.84kW
Max. Discharge Power	5.12kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0~55°C/-20~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	54.4kg
Dimension[W/D/H]	450/165/660mm
Protection Level	IP66
Communication	CAN/RS485
Cycle Life ^[1]	≥8000 Cycles
User Interface	WIFI+APP
Safety Protection	Built-in aerosol fire extinguisher and 125A IP Breaker
Installation	Floor-mounted,Wall-mounted
Expansion	Up to 50 units in parallel
Warranty Period ^[2]	10 Years
Certification & Safety Standard	UN38.3/IEC62619/CE-EMC/ CEI 0-21
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

[1] Test conditions: 0.2C Charging & Discharging, 25°C, 95% DOD, 70%EOL

[2] Refer to Dyness Warranty Letter

