

PowerDeopt 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 IP65 protection rating and supports 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



IP65 Protection

Fearless of outdoor installation,
strong environmental adaptability



Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fires 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

Support for mixing modules under
different SOC to ensure battery life

Model	PowerDeopt G2
Battery Type	LiFePO ₄
Nominal Voltage/Capacity	51.2V/100Ah
Nominal Battery Energy	5.12kWh
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge:75A/Discharge:100A
Peak Discharge Current	120A@10min
Cycle Life *	≥8000 cycles/10 years
Depth of Discharge (DOD)	95%
Charge Temperature	0°C~55°C/-20°C~55°C (optional)
Discharge Temperature	-20°C~55°C
Protection Level	IP66
Dimension[W/H/D]	660/450/165mm
Net Weight	54.4kg
Maximum Parallel Modules	50
Fire Protection System	Built-in aerosol fire extinguisher
WIFI Module	Built-in WiFi module, APP OTA
Communication	CAN/RS485
Certification	UN38.3/IEC62619/CE-EMC
Compatible Inverters	SMA/Schneider/Victronenergy/Ingteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

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

