

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

Supports 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 |
| Recomended Charge & Discharge C Rate | 0.5C |
| Recommended Charge/Discharge Current | 50A |
| Max. Charge/Discharge Current | Charge:75A/Discharge:100A |
| Peak Discharge Current | 200A@2min |
| 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/D/H](mm) | 450/165/660mm |
| 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/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc. |

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

