

The BPE PowerDepot 2.56kWh battery is a wall mounted, scalable lithium ion battery pack which consists of long life-span LiFePO4 battery cells and functional BMS. It can store and release electric energy based on the requirements of the inverter. It is primarily designed for residential and small commercial energy storage systems.

Main Benefits

- » LiFePO4 cell technology
- » 8000 cycles @0.5C conditions
- » Maximum 1C charge and discharge capability
- » Ground mounted IP65
- » Scalable up to maximum 4 units
- » Active BMS allows greater reliability and control
- » Fully recyclable at the end of life
- » Compact



Technical Specification

| Model | PowerDepot 2.56kWh | PowerDepot 10.24kWh (4 units) |
|--------------------------------------|--|-------------------------------|
| Capacity (Energy) | 2.56kWh | 10.24kWh |
| Capacity (Ah) | 55Ah | 220Ah |
| Suggested DoD | 10 - 100% | |
| Nominal Voltage | 51.2V | |
| Operation Voltage | 44.8V - 57.6V | |
| Maximum Charging/Discharging Current | 35A/50A | 100A/100A |
| Life Cycle (0.5C 25°C) | 6000 Cycles @ 0.5C | |
| BMS | Parallel function, single cell voltage and temperature measurement, protections, display and heating function optional | |
| Communication | CAN, RS485 | |
| Scalability | Max. 4 | |
| Warranty | 10 years | |
| Operation Temperature | Charge 0°C to 45°C Discharge -20°C to 45°C | |
| Weight | 30kg | 120kg |
| Dimensions | 480x280x210mm | 480x280x900mm |
| Certifications | MSDS, UN38.3, RoHS, IEC26219, UL, CE | |
| IP Grade | IP65 | |