PowerDepot H5B

PowerDepot H5B is a low-voltage product for residential energy storage. It supports 10 units in parallel and has a capacity range from 5.12kWh to 51.2kWh. High safety and long lifespan to meet the long-term power needs of users.



Flexible Expansion

Up to 10 units in parallel, 5.12kWh--51.2kWh capacity

Automatic Self-heating

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

IP65 Protection

Fearless of outdoor insatallition, strong environmental adaptability

Easy Installation

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

Battery Equalization

Support extreme mixing of modules at 0% and 100% charge

All-round Safety

Short-circuit lockout, surge-resistant, safe and reliable

Model	PowerDepot H5B
Battery Type	$LiFePO_4$
Nominal Battery Energy	5.12kWh
Operating voltage	44.8~57.6V
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Max. output power	3.84kW
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Recommended Depth of Discharge (DOD)	90%
Net Weight	59kg
Dimension[W*D*H]	574*228*600 mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle Life *	≥6000 Cycles
Protection Level	IP65
Expansion	Up to 10 units in parallel
Color	White
Alarms	Overcharge/Overdischarge/Overcurrent/Overtemperature/ShortCircuit
Monitoring & Protection	Each system has smart BMS, breaker embedded in system
Pros	Can be used in both off-grid and hybrid setups, compact design, floor or wall-mounted
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/GOST-R/UKCA/CEC
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD