

# 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 installation,  
strong environmental adaptability



## 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



## All-round Safety

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

Model	PowerDepot H5B
Battery Type	LiFePO <sub>4</sub> (LFP)
Nominal Battery Energy	5.12kWh
Usable Battery Energy	4.608kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C (50A)
Peak Discharge Current (25°C)	110A, 15s
Recommended Charge & Discharge Power	2.56kW
Depth of Discharge (DOD)	90%
Charge Temp. Range	0°C~55°C/-20°C~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	59kg
Dimension[W/D/H]	574/600/228mm
Protection Level	IP65
Communication	CAN/RS485
Cycle Life <sup>[1]</sup>	≥6000 Cycles
User Interface	WIFI+APP(optional)
Safety Protection	Built-in 125A 1P Breaker
Installation	Floor-mounted,Wall-mounted
Expansion	Up to 10 units in parallel
Warranty Period <sup>[2]</sup>	10 Years
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/UKCA/CEC
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/Deye/Apsystem etc.

[1] Test conditions: 0.2C Charging& Discharging, @25°C, 90%DOD, 70%EOL

[2] Refer to Dyness Warranty Letter

