

PowerDepot H5B

PowerDepot H5B is a low-voltage product designed for residential application. The reliable lithium iron phosphate (LFP) technology ensures maximum safety and longer cycle life. It can be used flexibly for self-consumption and backup applications with a wide capacity range scalable from 5.12kWh to 25.6 kWh, to meet various energy storage needs.



APP Monitoring (optional)
Real-time monitoring
& Remote upgrade available



High Protection Level
Indoor & outdoor options



Various Mounting Methods
Wall-mounted
or floor-standing installations



High Safety
LFP & smart BMS



Wide Compatibility
Matching with leading inverters

Technical Specifications

Model	PowerDepot H5B
Battery Type	LiFePO4
Nominal Battery Energy	5.12 kWh
Operating voltage	44.8 ~ 57.6V
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Max. output power	3.84kW
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Recommended Depth of Discharge (DOD)	90%
Net Weight	55 kg
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/RS232
Cycle Life ^[1]	≥6000 Cycles
Protection Level	IP65
Expansion	Up to 5 units in parallel
Color	White
Alarms	Overcharge/Over-discharge/Overcurrent/Overtemperature/Short Circuit
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/IEC60730 /GOST-R/UKCA/CEC Accredited
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc.

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