

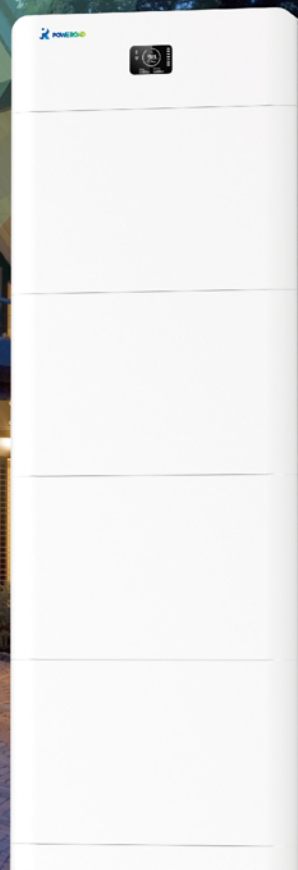


Stacking Battery System META H1

The META H1 is powered by lithium-ion phosphate (LiFePO4) battery and for use with an external inverter.

Given the credit to the POWERROAD BMS, the systems will automatically trigger four layer over-current protection ensure powerful output and safety.

Starting with 1 module of 102.4V 52Ah battery, users can configure the system capacity according to requirement from 5.32kWh to 106.4kWh by quick installation.



Easy to Extend

Modular design enables easily extension to 106.4 kWh



Flexible

Compatible with main streaming inverters



Reliable

Grade-A LiFePO4 battery & Own-developed BMS



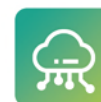
Safe Guarded

Pre-charge function for a safe initial connection



Own-developed IoE

Bluetooth/WiFi connection and RS485/CAN communication available



Convenient

Remote debugging / upgrading /pairing with inverters



PV +MPPT



Public Grid



Inverter



Home Loads



TECHNICAL PARAMETER META H1



Technical Parameters

Battery System Model	H-S10250HV
Cell Technology	LiFePO4
Battery Module Capacity (kWh)	5.32
Battery Module Voltage (Vdc)	102.4
Battery Module Capacity (Ah)	52
Communication	CAN, RS485 / Wi-Fi, BLE (optional)
Cycle Life (Cycles)	8000

Battery System Parameters

Battery System Capacity (kWh)	10.64	15.96	21.28
Battery System Voltage (Vdc)	204.8	307.2	409.6
Battery System Capacity (Ah)	52		
Battery Module Quantity (pcs)	2	3	4
Battery System Charge Upper-Voltage (Vdc)	230.40	345.60	460.80
Battery System Charge Current (Amps, Standard)	17		
Battery System Charge Current (Amps, Normal)	26		
Battery System Charge Current (Amps, Max.)	52 < 3000mS		
Battery System Discharge Lower-Voltage (Vdc)	172.80	259.20	345.60
Battery System Discharge Current (Amps, Standard)	17		
Battery System Discharge Current (Amps, Normal)	26		
Battery System Discharge Current (Amps, Max.)	52		

General Parameters

Dimension (W×D×H, mm)	600×155×1010	600×155×1385	600×155×1760
Weight (kg)	109	157	206
Protection Class	IP55		
Cooling Type	Natural Cooling		
Charge Temperature Range (°C)	0 ~ 45		
Discharge Temperature Range (°C)	-10 ~ 45		
Humidity	5 ~ 85% (Without Condensation)		
Altitude (M)	< 2000		
Certificate	MSDS, IEC 62619, CE, UN 38.3, DGM		