

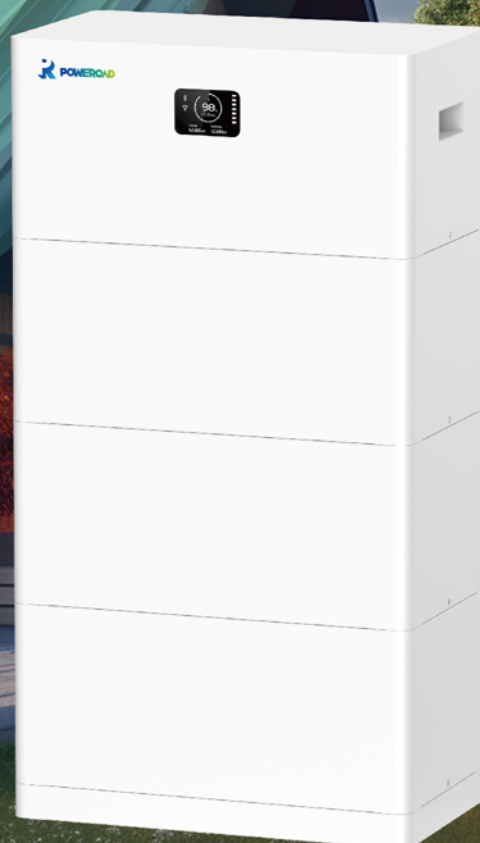


Stacking Battery System META-L2

The META L2 is powered by lithium-ion phosphate (LiFePO₄) battery and for use with an external inverter.

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

Starting with 1 module of 51.2V 102Ah battery, users can configure the system capacity according to requirement from 5.22kWh to 255.9kWh by quick installation.



Easy to Extend

Modular design enables easily extension to 255.9kWh



Flexible

Compatible with main streaming inverters



Reliable

Grade-A LiFePO₄ battery & Own-developed BMS



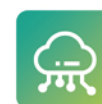
Safe Guarded

Pre-charge function for a safe initial connection



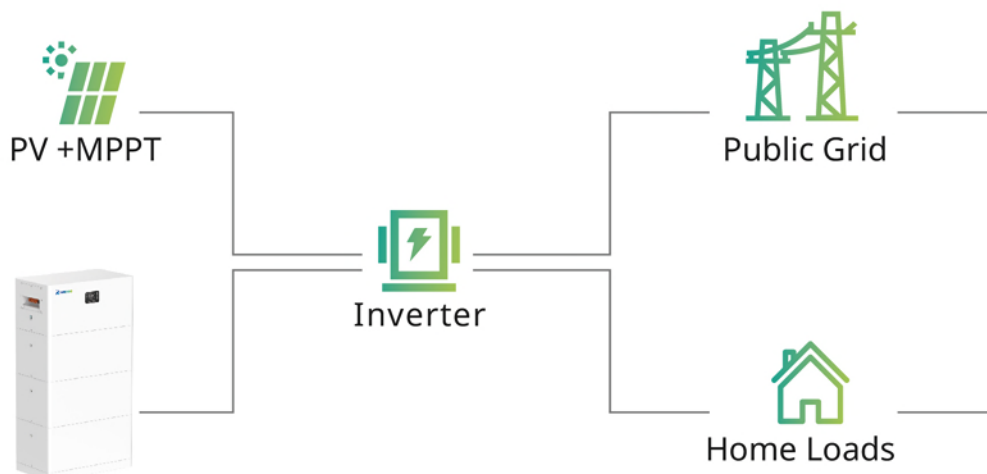
Own-developed IoE

Bluetooth/WiFi connection and RS485/CAN communication available



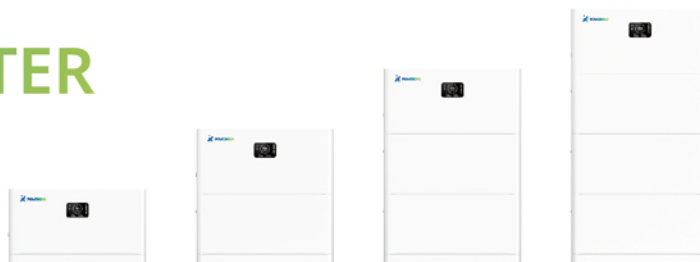
Convenient

Remote debugging / upgrading /pairing with inverters



TECHNICAL PARAMETER

META L2



Technical Parameters				
Battery System Model	H-S51100			
Cell Technology	LiFePO4			
Battery System Capacity (kWh)	5.22	10.44	15.67	20.89
Battery System Voltage (Vdc)	51.2			
Battery System Capacity (Ah)	102	204	306	408
Battery Module Quantity (pcs)	1	2	3	4
Battery Module Capacity (kWh)	5.22			
Battery Module Voltage (Vdc)	51.2			
Battery Module Capacity (Ah)	102			
Communication	CAN, RS485 / WiFi, BLE (optional)			
Cycle Life (Cycles)	8000			
Battery System Charge Parameters				
Battery System Charge Upper-Voltage (Vdc)	57.6			
Battery System Charge Current (Amps, Standard)	20.4	40.8	61.2	81.6
Battery System Charge Current (Amps, Normal)	51	102	153	160
Battery System Charge Current (Amps, Max.)	102	160	160	160
Battery System Discharge Parameters				
Battery System Discharge Lower-Voltage (Vdc)	43.2			
Battery System Discharge Current (Amps, Standard)	20.4	40.8	61.2	81.6
Battery System Discharge Current (Amps, Normal)	51	102	153	160
Battery System Discharge Current (Amps, Max.)	102	160	160	160
General Parameters				
Dimension (W×D×H, mm)	550×315×305	550×315×545	550×315×785	550×315×1025
Weight (kg)	50	100	150	200
Protection Class	IP55			
Cooling Type	Natural Cooling			
Charge Temperature Range (°C)	0 ~ 45			
Discharge Temperature Range (°C)	-10 ~ 45			
Humidity	0 ~ 95% (Without Condensation)			
Altitude (M)	< 2000			
Certificate	CE, UN38.3			
Compatible Inverters				
             				

POWERROAD Renewable Energy Co., Ltd.

Office: 18th Floor, F5 Building, Xiamen Software Park III, Jimei District, Xiamen, Fujian, China 361023
 Factory: Building 7-1, No. 1068, Jimei North Avenue, Jimei District, Xiamen City, Fujian, China 361023

+86 592 5558101
 sales@poweroad.com
 www.poweroad.com

POWERROAD reserves the right to modify the specifications and features without prior notice.