

Dyness Rack System LV1

Dyness 48V PowerRack LV1 system with its smart BMS in each battery module, no extra communication devices needed.

The entire system is intelligently managed. Keep you powered on all the time, cut the charges now.



Features and Advantages

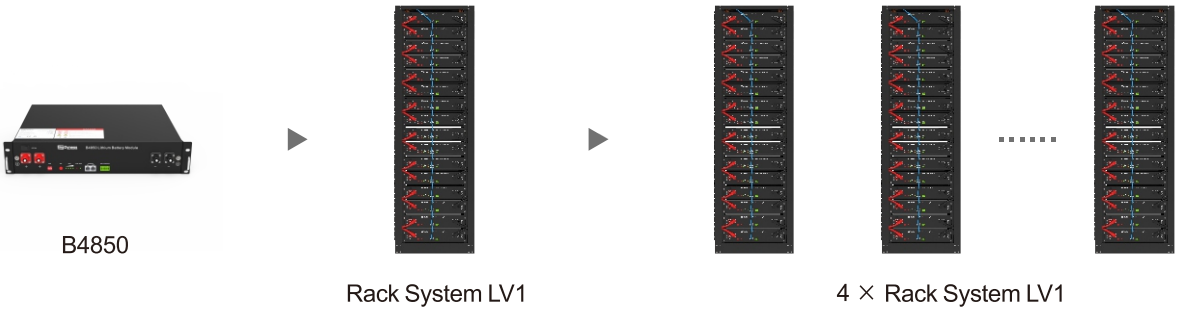
-  **High Safety LFP**
Cell level monitoring and balancing
-  **Modular Design**
Free parallel configuration
-  **Expandable**
Capacity from 2.4 to 96kWh
-  **Wide Application**
Cover all needs in commercial fields
-  **Wide Compatibility**
Matching leading inverter brand
-  **19" Inch**
Easy installation & maintenance

Dyness Rack System LV1

Technical Parameters of B4850

Model	B4850
Battery Type	LiFePO4
Nominal Battery Energy	2.4kWh
Nominal Capacity	50Ah
Nominal Voltage	48V
Net Weight	22kg
Dimension(W*D*H)	480*360*90mm
Charging Temp. Range	0-50°C
Discharging Temp. Range	-10-50°C
Communication	CAN / RS485
Design Life	10+ Years
Calendar Life ^[1]	>6000 Cycles
Protection Level	IP20
Expansion	Up to 40 units in parallel
Compatible Inverters	Victron/SMA/Goodwe/Imeon/Solis/SAJ/Growatt/Luxpower /Voltronic/Deye etc.
Certification & Safety Standard	TUV/CE/EN62619/IEC62040/UN38.3/CEC Accredited/UL1973/CEI-021

[1]Test conditions:0.2C Charging/Discharging,@25°C,80% DOD



Technical Parameters

Model	Rack System LV1	
Rack Type	PowerRack LV1-10P	PowerRack LV1-16P
Battery Module Type	B4850	B4850
Battery Module Quantity	10 units	16 units
Battery Type	LFP	LFP
Nominal Battery Energy	24kWh	38.4kWh
Nominal Capacity	500Ah	900Ah
Nominal Voltage	48V	48V
Operating Vol. Range	42-54V	42-54V
Nominal Power Output	12kW	19.2kW
Max. Power Output	24kW	38.4kW
Recommend Charging Current	250A	400A
Recommend Discharging Current	250A	400A
Net Weight	310kg	480kg
Dimension(W*D*H)	601*510*1290mm	601*510*1957mm
Module Quantity and Configuration	10 Units in parallel	16 Units in parallel