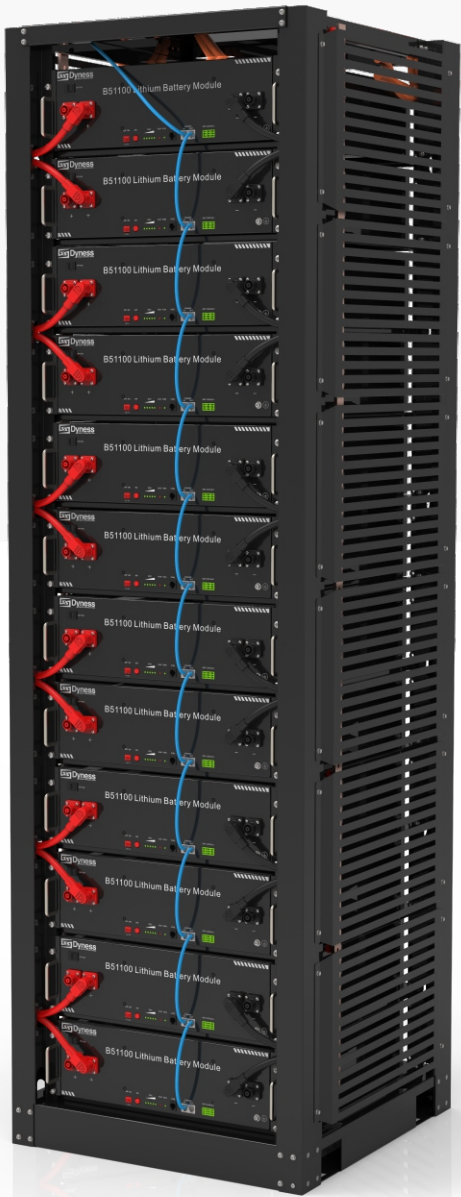






Dyness Rack System LV4

Dyness 48V PowerRack LV4 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 Advantage

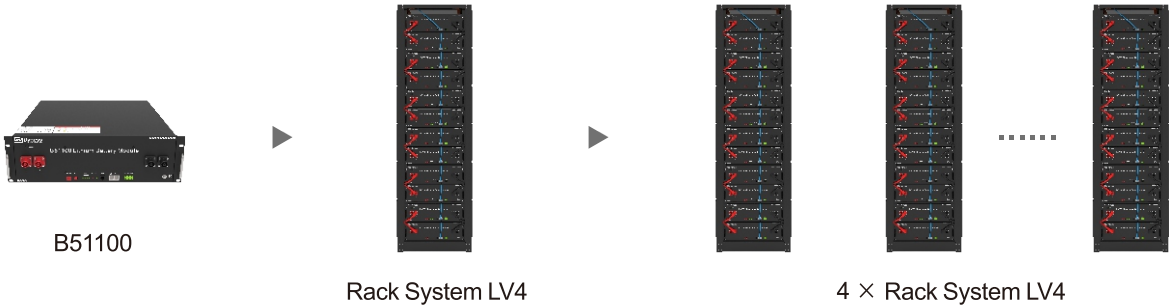
-  **High Safety LFP**
Cell level monitoring and balancing
-  **APP Monitoring**
Remote upgrade available
-  **Modular Design**
Free parallel configuration
-  **Expandable**
Capacity from 5.12 to 204.8kWh
-  **Wide Application**
Cover all needs in commercial fields
-  **Wide Compatibility**
Matching leading inverter brand
-  **19" Inch**
Easy installation & maintenance

Dyness Rack System LV4

Technical Parameters of B51100

Model	B51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	44kg
Dimension(W*D*H)	481*535*140mm
Charging Temp. Range	0-50°C
Discharging Temp. Range	-20-50°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/IEC62619/UN38.3

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



Technical Parameters

Model	Rack System LV4	
Rack Type	PowerRack LV4-8P	PowerRack LV4-12P
Battery Module Type	B51100	B51100
Battery Module Quantity	8 Units	12 Units
Battery Type	LiFePO4	LiFePO4
Nominal Battery Energy	40.96kWh	61.44kWh
Nominal Capacity	800Ah	1200Ah
Nominal Voltage	51.2V	51.2V
Operating Vol. Range	44.8~57.6V	44.8~57.6V
Nominal Power Output	20.48kW	30.72kW
Max. Power Output	32.76kW	49.15kW
Recommend Charging Current	400A	600A
Recommend Discharging Current	400A	600A
Net Weight	433kg	644kg
Dimension(W*D*H)	601*510*1392mm	601*510*2120mm
Module Quantity and Configuration	8 Units in parallel	12 Units in parallel