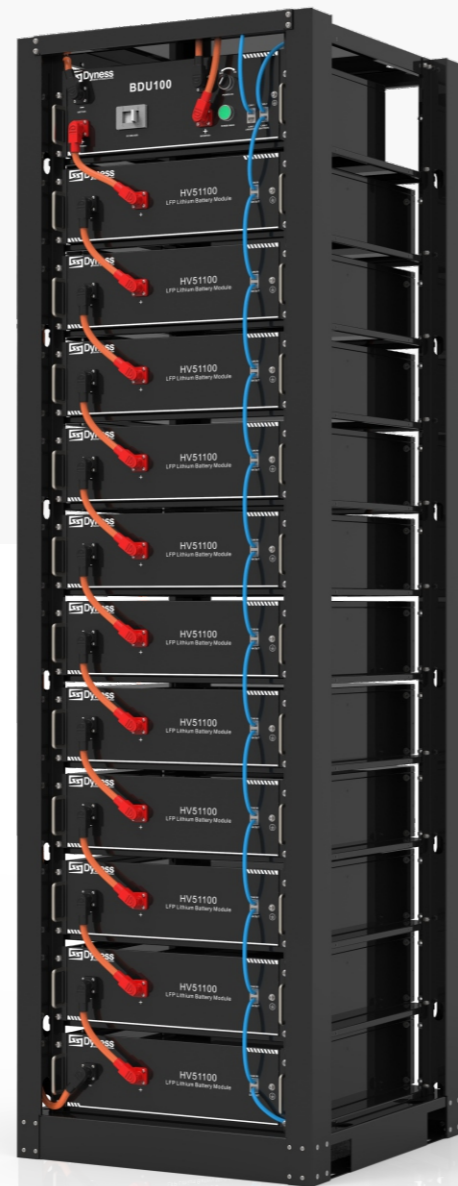
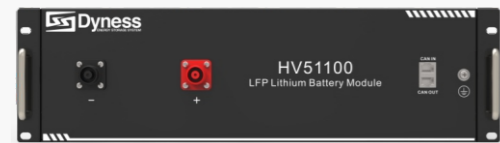


Dyess Rack System HV4

Dyess high voltage PowerRack HV4 system is equipped with an intelligent battery control unit in each battery cluster, ensuring high-safety and high-efficiency system operation.

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



Features and Advantage

- Voltage Range**
179~864V
- High Safety LFP**
LFP & smart BMS
- Expandable**
Capacity up to 76.8kWh per cluster
- More Flexible Installation**
Outdoor and indoor solution optional
- Tailor-made Cabinet**
Suitable for mult-module installation
- High Voltage**
High system efficiency
- Wide Application**
Cover all needs in commercial fields

Dyess Rack System HV4

Technical Parameters of HV51100

Model	HV51100
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	40kg
Dimension(W*D*H)	481*535*133mm
Charging Temp. Range	0-50°C
Discharging Temp. Range	-10-50°C
Communication	CAN / RS485(Optional)
Design Life	10+ Years
Calendar Life ^[1]	>6000 Cycles
Protection Level	IP20
Expansion	Up to 16 units in series
Compatible Inverters	Goodwe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/EcatuS/Sermatec /ATESS/Sunways etc.
Certification & Safety Standard	UN38.3/IEC62619

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



Technical Parameters

Model	Rack System HV4	
	PowerRack HV4-7s	PowerRack HV4-11s
Rack Type		
Battery Module Type	HV51100	HV51100
Battery Module Quantity	7 Unis	11 Unis
Nominal Battery Energy	35.84kWh	56.32kWh
Nominal Capacity	100Ah	100Ah
Nominal Voltage	358.4V	563.2V
Operating Vol. Range	313.6-403.2V	492.8-633.6V
Nominal Power Output	21.5kW	33.79kW
Max. Power Output	35.84kW	56.32kW
Recommend Charging Current	50A	50A
Recommend Discharging Current	50A	50A
Net Weight	373kg	608kg
Dimension(W*D*H)	601*610*1422mm	601*610*2063mm
Rack System Control unit Type ^[1]	BDU100	BDU100
Module Quantity and Configuration	7 Units in series	11 Units in series

[1]HV51100 battery module needs to be used with BDU100 control unit.