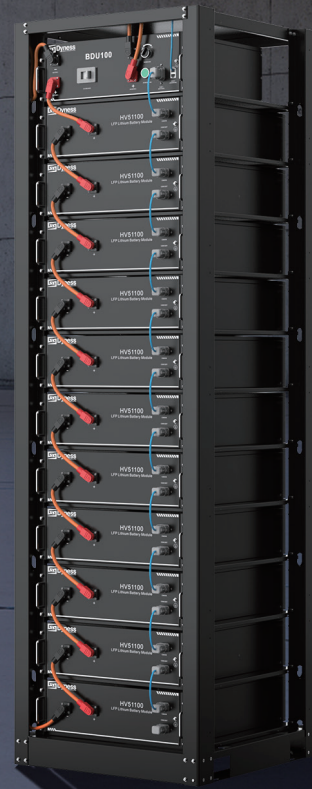


# PowerRack HV4

PowerRack HV4 series features a rack-mount structure design that is ideal for medium-sized industrial and commercial applications. It supports up to 12 clusters of parallel machines with a maximum expansion capacity of 921 kWh. This effectively enhances PV consumption, provides backup power or peak shifting to ensure the safe and stable operation of the system.



## Flexible Expansion

Modular design, up to 12 clusters in parallel, 15KWh--921KWh capacity



## Long-term Reliability

LFP cells, 10 years long warranty, intelligent BMS monitors battery status in real time



## Economical

Rack structure, lower cost, higher space utilization



## Intelligent O&M

Optional Wi-Fi module, real-time data monitoring and troubleshooting, one-key intelligent upgrade

# Specification

Model	HV51100		
Battery Type	LiFePO <sub>4</sub>		
Nominal Battery Energy	5.12kWh		
Nominal Capacity	100Ah		
Nominal Voltage	51.2V		
Net Weight	43.5kg		
Dimension(W/D/H)	481/535/140mm		
Charging Temp. Range	0-55°C		
Discharging Temp. Range	-20-55°C		
Communication	CAN		
Cycle Life *	≥6000 Cycles		
Protection Level	IP20		
Expansion	Up to 15 units in series		
Compatible Inverters	GoodWe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.		
Certification & Safety Standard	UN38.3/CE-EMC		

\* Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD

Rack Type	PowerRack HV4		
Rack System Control unit Type	BDU100		
Battery Module Type	HV51100		
Battery Module Quantity	4~7 units	8~11 units	12~15 units
Nominal Battery Energy	5.12kWh×n(n=4~7)	5.12kWh×n(n=8~11)	5.12kWh×n(n=12~15)
Nominal Capacity	100Ah	100Ah	100Ah
Nominal Voltage	51.2V×n(n=4~7)	51.2V×n(n=8~11)	51.2V×n(n=12~15)
Nominal Power Output	3.07kW×n(n=4~7)	3.07kW×n(n=8~11)	3.07kW×n(n=12~15)
Max.Power Output	5.12kW×n(n=4~7)	5.12kW×n(n=8~11)	5.12kW×n(n=12~15)
Recommend Charging Current	50A	50A	50A
Recommend Discharging Current	50A	50A	50A
Net Weight	62+12+43.5kg×n(n=4~7)	86+12+43.5kg×n(n=8~11)	62×2+12+43.5kg×n(n=12~15)
Dimension(W/D/H)	601/610/1392mm	601/610/2012mm	601/610/1392mm*2(Two clusters)
Module Quantity and Configuration	4~7 Units in series	8~11 Units in series	12~15 Units in series

