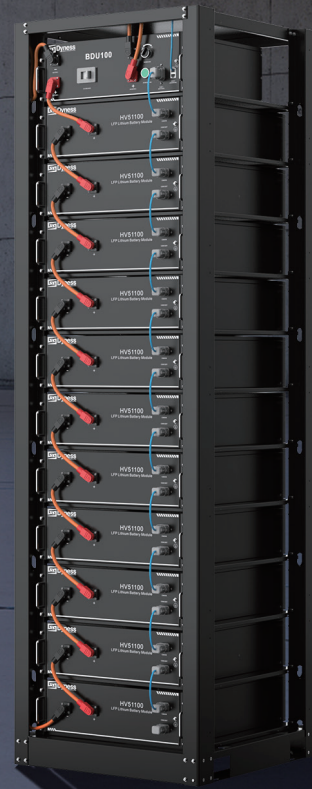


PowerRack HV4

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, 20.48KWh--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 ₄		
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

