

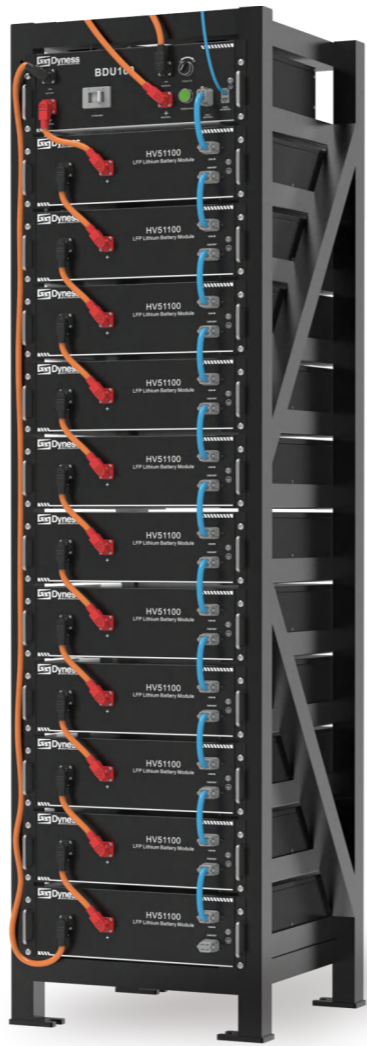
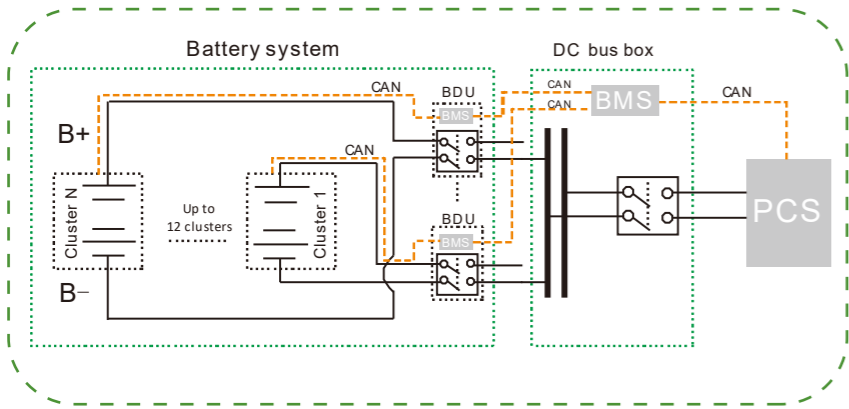
Dyness Rack System HV4

Dyness HV4 rack system is also designed for indoor use high-voltage systems, with a larger capacity of each module to fit medium C&I scenarios, to increase solar self-consumption, provide backup power or peak-shavings, etc.



Features and Advantages

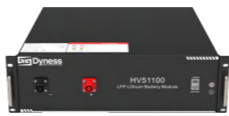
- Voltage Range**
179~876V
- High Safety LFP**
LFP & smart BMS
- Expandable**
Capacity up to 76.8kWh per cluster
- Tailor-made Cabinet**
Suitable for multi-module installation
- High Voltage**
High system efficiency
- Wide Application**
Cover all needs in commercial fields



Technical Parameters of HV51100

Model		HV51100
Battery Type		LiFePO4
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		-10-55°C
Communication		CAN
Design Life		10+ Years
Calendar Life ^[1]		>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/CE62619

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



HV51100



Rack System HV4



n×Rack System HV4(n≤12)

Technical Parameters

Model		Rack System HV4	
Rack Type		PowerRack HV4-7s	PowerRack HV4-11s
Battery Module Type		HV51100	HV51100
Battery Module Quantity		7 units	11 units
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		397.5kg	646.5kg
Dimension(W*D*H)		548*568* 1412mm	548*568* 2012mm
Rack System Control unit Type ^[1]		BDU100	BDU100
Module Quantity and Configuration		7 Units in series	11 Units in series

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