

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

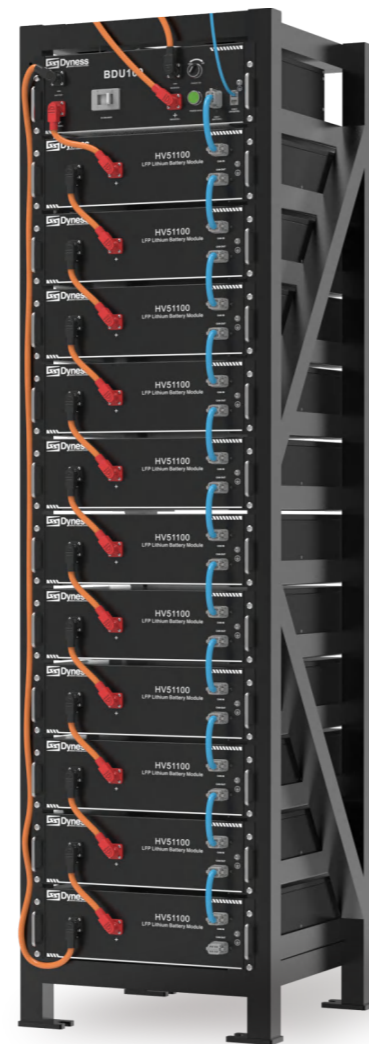
Suitable for multi-module installation

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/ICE62619

[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.

