

# 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

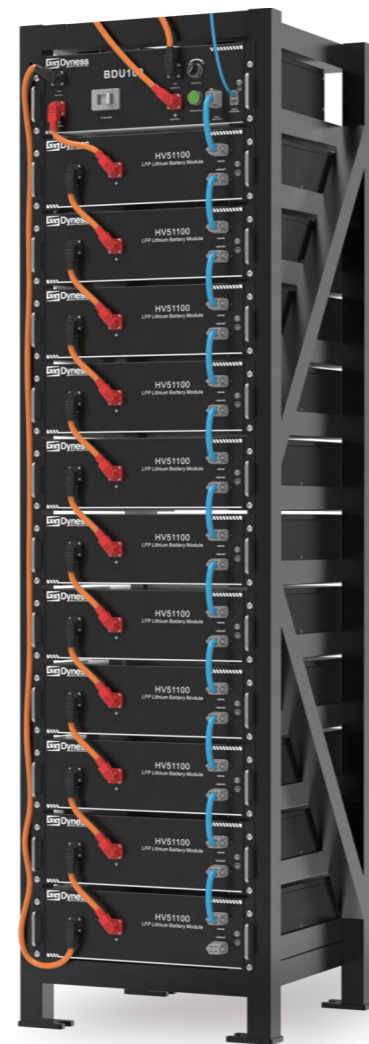
Suitable for multi-module installation

### 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 <sup>[1]</sup>	>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

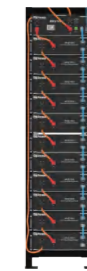
[1]Test conditions:0.2C Charging/Discharging,@25 °C,80% DOD



HV51100



Rack System HV4



n×Rack System HV4(n≤12)



## Technical Parameters

Model	Rack System HV4	
	PowerRack HV4-7s	PowerRack HV4-11s
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 <sup>[1]</sup>	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.

