DYNESS

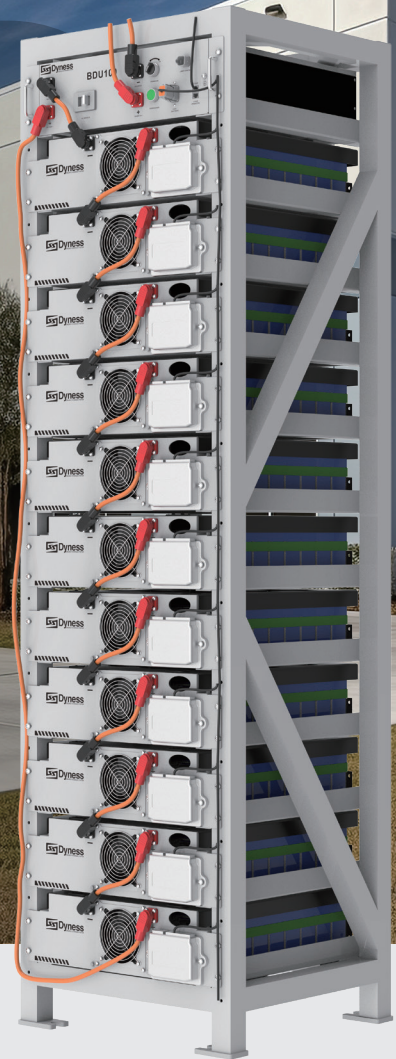# PowerRack HV4F

Dyness HV4F 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.

Voltage Range
313.6~876V

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 effeiciency

Wide Application
Cover all needs in commercial fields

Technical Specifications

Model	HV51100F
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	47kg
Dimension(W*D*H)	548*554*152.8mm
Charging Temp. Range	0-55°C
Discharging Temp. Range	-10-55°C
Communication	CAN/RS485
Cycle Life[1]	>6000 Cycles
Protection Level	IP20
Expansion	7-15 units in series
Certification & Safety Standard	UN38.3

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD

Model	PowerRack HV4F	
Rack Type	PowerRack HV4F-8s	PowerRack HV4F-11s
Battery Module Type	HV51100F	HV51100F
Battery Module Quantity	8 units	11 units
Nominal Battery Energy	40.96kWh	56.32kWh
Nominal Capacity	100Ah	100Ah
Nominal Voltage	409.6V	563.2V
Operating Vol. Range	358.4~460.8V	492.8-633.6V
Nominal Power Output	40.96kW	56.32kW
Max. Power Output	40.96kw	56.32kW
Recommend Charging Current	100A	100A
Recommend Discharging Current	100A	100A
Net Weight	501kg	642kg
Dimension(W*D*H)	594*558*1663mm	594*558*2152mm
Rack System Control Unit Type[1]	BDU100	BDU100
Module Quantity and Configuration	8 Units in series	11 Units in series

[1]HV51100F battery module need to be used with BDU100 control unit