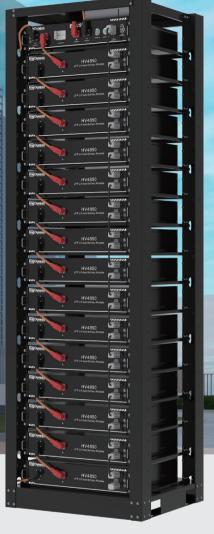


PowerRack HV1

Dyness HV1 PowerRack is designed for indoor use high voltage battery. The extendable energy design is suitable for both residential and commercial scenarios. The battery modules are specially designed for serial connection to maximize cost effectiveness.





Voltage Range



Tailor-made Cabinet
Suitable for multi-module installation



High Safety LFP LFP & smart BMS



High Voltage
High system effeiciency



Expandable
Capacity up to 38.4kWh per cluster



Wide Application

Cover all needs in commercial fields

Technical Specifications

Model	HV4850	
Battery Type	LiFePO4	
Nominal Battery Energy	2.4kWh	
Nominal Capacity	50Ah	
Nominal Voltage	48V	
Net Weight	23kg	
Dimension(W*D*H)	481*410*89mm	
Charging Temp. Range	0-55°C	
Discharging Temp. Range	-10-55°C	
Communication	CAN	
Cycle Life ^[1]	>6000 Cycles	
Protection Level	IP20	
Expansion	Up to 16 units in series	
	Goodwe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec	
Compatible Inverters	/ATESS/Sunways etc.	
Certification & Safety Standard	UN38.3/CE-EMC	

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

Model	PowerRa	ack HV1
Rack Type	PowerRack HV1-9s	PowerRack HV1-15s
Battery Module Type	HV4850	HV4850
Battery Module Quantity	9 units	15 units
Nominal Battery Energy	21.6kWh	36kWh
Nominal Capacity	50Ah	50Ah
Nominal Voltage	432V	720V
Operating Vol. Range	378-486V	630-810V
Nominal Power Output	12.96kW	21.6kW
Max.Power Output	21.6kW	21.6kW
Recommend Charging Current	25A	25A
Recommend Discharging Current	25A	25A
Net Weight	277.5kg	444.5kg
Dimension(W*D*H)	601*510*1250mm	601*510*1917mm
Rack System Control unit Type ^[1]	BDU50	BDU50
Module Quantity and Configuration	9 Units in series	15 Units in series

^[1]HV4850 battery module need to be used with BDU50 control unit