DYNESS
ENERGY STORAGE SYSTEM

Dyness Rack System HV4

Take time for greater control in energy with Dyness Rack System

▪ Safe and Reliable ▪ Higher Efficiency ▪ IP 20 Protection ▪ Flexible Expansion

Features and advantages

- LiFePO4 energy storage system , longer life span
- Safest kind battery with modular design
- Quick installation and wide operation temperature range
- Flexible control , cover all needs in commercial fields
- Keep you powered on all the time, cut the charges now

SPECIFICATION

Model	Dyness Rack System HV4	
Rack Type	PowerRack HV4-35	PowerRack HV4-56
Module Type	HV51100	HV51100
Battery Module Quantity	7 Units	11 Units
Battery Type	LiFeO4	LiFeO4
Nominal Battery Energy	35.84kWH	56.32kWH
Nominal Capacity	700Ah	1100Ah
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	373kg	608kg
Dimension [W*D*H]	601×610×1422mm	601×610×2062mm
Module Number and Configuration	7 Units in Series	11 Units in Series
Rack System Control Unit Type [2]	BDU100	BDU100
Calendar Life [1]	6000 Cycles	
Configuration	Up to 15 module in series. Rack units connected in parallel to get larger capacity.	
Communication	CAN	
Alarms	Overcharge Overdischarge Overcurrent Overtemperature Short Circuit	
Compatible Inverters	Goodwe, Solis, Growatt, Sermatec, ATESS, SINEXCEL, Hoymiles, Ecactus More brand will be anounced	
Warranty	5 Years	
Charging Temp. Range	0~50℃	
Discharging Temp. Range	-10~50℃	
Protection Level	IP20	
Certification & Safety Standard	UN38.3/UL 1642(Battery cell)	

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

[2] HV48100 battery module need to be used with BDU.