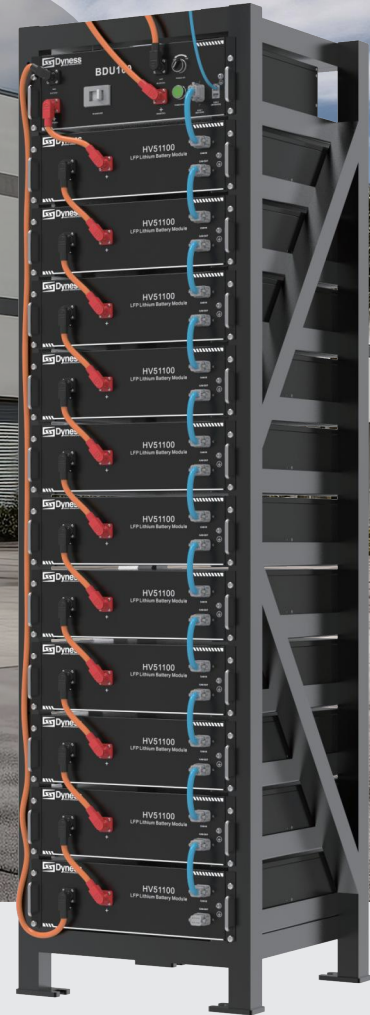


PowerRack HV4

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.



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 Specifications

| 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 |
| Cycle 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/CE-EMC |

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

| Model | PowerRack 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

