

51.2V High Voltage Rack Energy Storage Series



>Product features

- High-voltage Efficiency: Supports high-voltage DC output (e.g., 200V~600V), reducing transmission loss and improving system efficiency by 5%~10%.
- Industrial Integration: 19-inch rack standard, scalable parallel connection for data centers or commercial use.
- High Power Density: Delivers 20kWh~100kWh per rack, maximizing space utilization.
- Advanced Safety: Multi-layer BMS protection (over-voltage/current/isolation) + forced air cooling for high-voltage stability.
- Enterprise Management: Compatible with SNMP/Modbus for EMS integration and remote monitoring.

>Context of Use



residence



farm



base station

Technical Parameters

Model	YY358100HVR	YY410100HVR	YY512100HVR	YY614100HVR
Total Energy(kWh)	35.84kwh	40.96kwh	51.2kwh	61.44kwh
Capacity(Ah)	100Ah	100Ah	100Ah	100Ah
Nominal Voltage(V)	358.4V	409.6V	512V	614.4V
Float Voltage(V)	408.8V	467.2V	584V	700.8V
Equalization Voltage(V)	392V	448V	560V	672V
Discharge Cutting Voltage(V)	313.6V	358.4V	448V	537.6V
Max. Charge & Discharge Current(A)	100A	100A	100A	100A
Max. C Rating	1C	1C	1C	1C
Dimension(mm)	600*650*1880mm	600*650*1880mm	600*650*2100mm	2* (600*650*1880) mm
Net Weight(kg)	356kg	409kg	515kg	621kg
Max. Scalable	6 in parallel			
Communication Ports	CAN/RS485/RS232			
Communicated Inverter	"Goodwe/Victron/Sofar/Deye/Voltronic /Pylon /Luxpower Afore/Must/ SakoSorotec/Sma/ Solis/Phocos /Kstar/Mpp Solar /Growatt/Megarevo/Srne"			
Charging Temp Range(°C)	0~55°C			
Disharging Temp Range(°C)	- 10~55°C			
Cycle Lifes	≥6000 cycles @80%DOD /0.5C/25°C			
Warranty	5 years			
Certifications	CE,UN38.3,MSDS			
Function	WIFI			