

Product Specification

Product model **YP-HV 409050** **YP-HV 409080** **YP-HV409105** **YP-HV 409160** **YP-HV 409230** **YP-HV 409280**

System demo



Battery module

Module model	51.2V50Ah	51.2V80Ah	51.2V105Ah	51.2V160Ah	51.2V230Ah	51.2V280Ah
Serial/Parallel	16S1P	16S1P	16S1P	16S2P	16S1P	16S1P
Module dimension	482.6*416.2*132.5MM	482.6*416.2*177MM	482.6*416.2*177MM	482.6*554*221.5MM	482.6*614*265.9MM	482.6*754*265.9MM
Module weight	30KG	41.5KG	46.5KG	72KG	90KG	114KG
Number of modules	8PCS	8PCS	8PCS	8PCS	8PCS	8PCS
Battery type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4

System parameters

Rated voltage	409.6V					
Working voltage range	294.4-467.2V					
Charge voltage	435.2-441.6V					
Floating charge voltage	428.8-435.2V					
Rated capacity	50Ah	80Ah	105Ah	160Ah	230Ah	280Ah
Energy	20.48KWh	32.76KWh	43KWh	65.53KWh	94.2KWh	114.68KWh
Rated charge current	25A	40A	50A	80A	115A	140A
Peak charge current	50A	80A	105A	160A	230A	280A
Rated discharge current	50A	80A	105A	160A	230A	280A
Peak discharge current	100A	160A	210A	320A	460A	460A
Charge temperature	0-55℃					
Discharge temperature	-10-55℃					
Optimum temperature	15-25℃					
Cooling method	Natural cooling					
Relative humidity	5%-95%					
Altitude	≤2000M					
Cycle Life	≥3500 times @80%DOD, 0.5C/0.5C, 25℃					
Communication interfaces	CAN2.0/RS485/Dry					
Protection	Over temperature, over current, over voltage, insulation and other multiple protection					
Display	LCD					
Design lifetime	≥10 years					
Certification	UN38.3/UL1973/IEC62619					
Dimension (L*W*H)	(600*600*1109MM)*2	(600*600*1287MM)*2	(600*600*1287MM)*2	(600*600*1465MM)*2	600*660*1643MM	600*800*1643MM
Weight	204.5KG+189.5KG	253.5KG+238.5KG	275KG+260KG	386.5KG+371.5KG	464KG+449KG	562.5KG+547.5KG