

Stacked Residential Battery

Unity HV

- Modular design, expandable from 3 modules to 16, with a capacity range of 15-80kWh
- Using LFP battery cells and has stable performance and a long cycle life, up to 6000 cycles
- Can adapt to mainstream high-voltage inverters in the market
- Automatically manage batteries, balances individual battery cells, and has overcharge, overdischarge, and high/low temperature protection functions



Model	UX-25.6-HPB	UX-56.3-HPB	UX-81.9-HPB
Battery Type	LFP		
Battery Pack Number	5	11	16
Nominal Energy (kWh)	25.6	51.2	81.92
Discharge Voltage (V)	216~288	475.2~633.6	691.2~921.6
Rated Voltage (V)	256	563.2	819.2
Capacity Range (kWh)	15.3~81.92		
Rated Current (A)	50		
Max Charging Current (A)	50		
Max Discharging Current (A)	50		
General Parameter			
Display	LED		
Communication Interface	RS485/CAN		
Dimensions (W*D*H)(mm)	483*550*1120	966*550*1120	1449*550*1120
Weight (Kg)	262	544	781
Working Temperature Range (C)	Charging: 0~50; Discharging: -20~55		
Operating Humidity Range	5%RH~95%RH, No condensation		
Altitude (m)	3000		
Cooling Method	Natural cooling		
IP Rating	IP20		
Installation Method	Stacked		
Scalability	3~16		
Certificates	UN38.3		
Battery Pack Parameters			
Model	UX-5.1-HPB		
Specifications	51.2V/5.12kWh/100Ah		
Life Cycles	6000@90%DOD, 25°C/0.5C		
Dimensions (W*D*H)(mm)	483*550*130		
Weight (kg)	44		

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