



Mobile stacking optical storage all-in-one

The system adopts LFP battery packs (10-30KWh), which feature high energy density and long cycle life. The cabinet is of stackable design and can be flexibly expanded. It is equipped with a customized Battery Management System (BMS) and a hybrid inverter. It is easy to install and dispatch. It is suitable for household application scenarios such as villas and houses.



Output of 7kW AC charging gun



Customized OEM&ODM service



Support human-computer interaction
(scan code and swipe card, etc.)



DC-coupled design, high efficiency

Technical specifications

Product model						
Nominal voltage	51.2V (16S)					
Nominal capacity	100Ah	200Ah	300Ah	400Ah	500Ah	600Ah
Store power	5.12KWh	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh
Internal Resistance (AC)	≤60mΩ	≤200mΩ				
Cycle life	≥6000cycles@80%DOD,25°C, 0.5C					
	≥5000cycles@80%DOD,40°C, 0.5C					
Design life	≥10 years					
Discharge cut-off voltage	43.2V					
Maximum operating current	100A					
Charging temperature range	0°C~50°C					
Discharge temperature range	-20°C~60°C					
Storage temperature range	-20°C~50°C @ 60%±25% relative humidity					
Inverter parameters						
Inverter power	5000W					
Rated energy	5.12KWh					
AC input voltage	220V(50-60Hz)					
AC output voltage	220V(50-60Hz)					
PV input data						
MPPT voltage range(V)	120-430V					
Number of MPPT	1					
SIZE (W*D*Hmm)	635*420*434	635*420*594	9635*420*754	635*420*914	635*420*1074	635*420*1234
Weight	73.6kg	102 kg	213.7 kg	260.4 kg	307.1 kg	353.8 kg
Methods of Communication	CAN、USB、RS485					
authentication	UN38.3,UL1973(Cells),IEC62619(Cells)					
Package dimensions/weight	700*480*230 (Battery pack) , 700*480*345 (Base + inverter)					
The number of containers loaded in 20' FCL	72pcs (20KWH)					
The number of containers loaded in 40' FCL	144pcs (20KWH)					