



Smart PV ESS Cabinet

ESS-A-96kWh-N

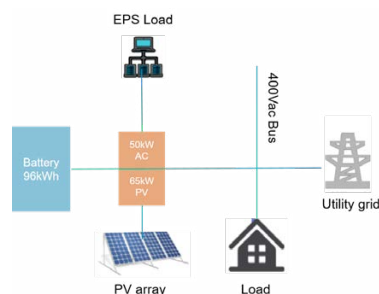


Features ESS-A-96kWh-N

- Easy to install and deploy with large space utilization.
- Unique modular design and flexible function configuration.
- Strong scalability, simple and convenient expansion on both AC and DC sides.
- With self-use, peak shifting, forced charging and discharging and other working modes.



Internal Display



System Topology

Specifications

Product Model	ESS-A-96 kWh-N
Battery parameters	
Battery Type	LFP
Number of battery packs	6
Rated voltage	384V
Voltage range	300~438V
Rated energy	96kWh
Max. continuous charging and discharging current	120A
Discharge Depth	90%
Cycle life	8000 times
PV parameters	
Max.PV input power	65 kW
Rated input voltage	600VDC
Max.input voltage	1000VDC
MPPT voltage range 150~850VDC	150~850VDC
PV input current	36A*4
AC side parameters	
AC rated output power	50 kW
AC Max. output power	55kVA
AC rated input/output current	82.5A
Isotransformer	Transformerless
Voltage	3L/N/PE; 230/400V
Frequency	50/60Hz
THDi	≤3%
Power Factor	0.8 leading to 0.8 lagging
System parameters	
Dimension (W*H*D)	W750*H2000*D1000
Weight	About 1100 kg
Communication	CAN/RS485/WiFi/ETH
Design Life	10 years+
Expansion	Support in parallel
Enclosure protection rating	IP54
Cooling	Air cooling
Operation temperature	Charging:0~50°C/Discharge:-20~50°C
Humidity	10%~95%RH
Altitude	<2000m

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