

COMMERCIAL AND INDUSTRIAL ESS

Model: OST-ESS-Na115kWh100kW

OSPOWER
Manufacture by Highstar

Sodium-ion Liquid-cooled Outdoor Energy Storage System

Suitable for industrial and commercial energy storage scenarios

High Safety

- ◆ Adopt sodium-ion batteries with higher safety to strictly prevent thermal runaway.
- ◆ Equipped with a pre-configured liquid-cooled battery box.
- ◆ Equipped with multiple safety functions such as high-temperature protection and short-circuit protection, and integrated with perfluorohexanone fire extinguishing device.
- ◆ IP54 protection class.

Environmental Protection and Low Carbon

- ◆ Use Na-ion materials, with zero pollution throughout the production process. The use process is more low-carbon.

Easy Operation and Maintenance

- ◆ Prefabricated production, shipped after testing, and quick installation.
- ◆ Modular design, intelligent management, and efficient operation and maintenance.

Wide Operating Temperature Range

- ◆ Extremely excellent high and low temperature performance, can work normally in -40°C to 60°C environment and maintain good energy output.



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Product Specification

Model	OST-ESS-Na115kWh100kW
Battery Parameters	
Cell Type	Na-160Ah
Battery PACK string method	1P48S
Module Energy	23.04kWh
Number of Battery Module	5
Nominal System Energy	115kWh
Nominal Voltage	720V
Charge / Discharge Rate	0.5/0.5P
AC Parameters	
Nominal Power	100kW
Nominal AC Voltage	400V AC/3P+N+PE
Nominal Frequency	50/60Hz
AC Current Distortion Rate	≤3%
System Parameters	
Refrigeration / Heating	Liquid Cooling / Liquid cooling plate heating
Anti Corrosion Grade	C4
IP Rating	IP54
Storage Temp. Range	0℃ ~ 45℃
Operating Temp. Range	-40℃ ~ 60℃
Allowed Humidity Range	≤95℃(RH)
Weight	Approx. 2350kg
Dimension(L*W*H)	1400*1350*2100mm

Manufacture reserve the right to alter or amend the design,model and specification without prior notice