

COMMERCIAL AND INDUSTRIAL ESS

Model: HSD-ESS-215kWh

OSPOWER
Manufacture by Highstar

OUTDOOR ENERGY STORAGE SYSTEM

Suitable for industrial and commercial energy storage scenarios

High safety

- ◆ Pack level directional perfluorohexane fire protection
- ◆ Prefabricated pack installation bin
- ◆ IP54 protection level

Long lifespan

- ◆ Supports both air cooling and liquid cooling modes
- ◆ Life cycle up to 6000 cycles

High energy density

By 280Ah cell, the discharge capacity exceeds 200kwh.

Scalable

Multiple units can be interconnected, small footprint, flexible layout/addition

Easy maintenance

Modular design, convenient for on-site operation and maintenance

Quick installation

Shipped after testing, ready for on-site connection.



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Product Specification

Model	HSD-ESS-215kWh
Battery Parameters	
Cell Type	LFP-3.2V-280Ah
Battery PACK string method	1P20S
Module Energy	17.92kWh
Number of Battery Module	12
Nominal System Energy	215kWh
Nominal Voltage (Voltage Range)	768V, 672~864V
Cycle Life	6000 Cycles@80%DOD,25° C
Max. Charge/Discharge Current	0.5C/0.5C
AC Parameters	
Nominal Power	100kW
Nominal AC Voltage	400V
Nominal Frequency	50/60Hz
Rated Current	151.5/144.9A
System Parameters	
Cooling Mode	Air Conditioner
Anti Corrosion Grade	C4
IP Rating	IP54
Storage Temp. Range	-20°C ~ 45°C
Operating Temp. Range	Charging 0°C ~ 55°C, Discharging -20°C ~ 55°C
Allowed Humidity Range	≤95°C(RH)
Fire Protection System	Smoke detector, temperature sensor, aerosol (300g)
Communication	Ethernet/RS485
Weight	Approx. 2500kg
Dimension(L*W*H)	Approx. 1250*1300*2400mm

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

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Layout Diagram

