



Outdoor Cabinet F2 5kW 6kW With Lithium Battery Storage Ideal For Harsh Environments

Our Product Introduction

for more products please visit us on fuhaosolar.com

Basic Information

- Brand Name: DS
- Model Number: DS-OLA
- Minimum Order Quantity: 6 set
- Price: consult prices online
- Packaging Details: consult prices online
- Payment Terms: T/T



Air cooled outdoor cabinet F2 5kW/6kW

Product Specification

- Rated Battery Capacity: 215kWh
- Battery Cycle Life: 8000 Cycles
- Maximum Efficiency: 98.50%
- Operating Temperature: -30°C To 55°C (with Derating Above 45°C)
- Cooling Method: Intelligent Air Cooling
- Protection Level: IP54
- System Customizability: Optional PV DC-DC Conversion, STS Switching
- Dimensions: 1850mm * 1250mm * 2280mm
- Highlight: **6kW energy storage lithium ion ,
5kW energy storage lithium ion ,
215kWh energy storage lithium**

Product Description

Outdoor Cabinet F2 5kW/6kW with Lithium Battery Storage Ideal for Harsh Environments

Air cooled outdoor cabinet F2

5kW/6kW

**High-efficiency lithium iron phosphate (LFP) battery**

8000 cycles, ensuring enduring and stable power supply.

**Intelligent air-cooling system**

Adapts to extreme temperatures to ensure equipment stability.

**Customizable for multiple scenarios**

Optional photovoltaic (PV) DC-DC and rapid STS (Static Transfer Switch) switching, flexibly meets various needs.

Product Description

The OL Air-Cooled Outdoor Cabinet F2 (5kW/6kW) is engineered for demanding outdoor environments, offering reliable and efficient energy storage and management. This cabinet is powered by high-efficiency lithium iron phosphate (LFP) batteries, designed to deliver an impressive cycle life of 8000 cycles, ensuring long-term and stable power supply even in extreme conditions. The intelligent air-cooling system is a standout feature, adapting to varying temperatures to maintain optimal equipment performance and longevity. The cabinet is highly customizable to meet various needs, with optional photovoltaic (PV) DC-DC conversion and rapid STS (Static Transfer Switch) switching, making it versatile for multiple scenarios and ensuring seamless power management.

Technice Specifications	
Model DZ105215B	
DC Side	
Rated Battery Capacity	215kWh
Rated Battery Voltage	819.2V
Battery Voltage Range	768V-921.6V
Battery Type	LFP
Cell Capacity	131Ah
Cycle Life	8000 cydes (0.5C,5%~95%DOD,70%SOH)
Standard Charge/Discharge Current	0.5C
Series-Parallel Connection Method	2*1P*8S*32
AC Side	
Rated AC Power	105kW
Maximum Efficiency	98.50%
Rated AC Voltage	230/400V
Grid Voltage Range	320-460V
Rated AC Frequency	50/60Hz
Total Harmonic Distortionof Current THDI	<3%(Rated Power)
Power Factor	-1 Leading-+1 Lagging
Total Harmonic Distortion of Voltage THDU	<3%(Linear Load)

System Parameter	
Energy Cyde Efficiency	≥88%
Protection Level	IP54
Corrosion Protection Level	C3 by default,C4/C5 optional
Isolation Method	Non-isolated (Isolation transformer optional)
Relative Humidity	0~95%(No condensation)
Operating Temperature	-30°C~55°C(derating above 45°C)
CoolingMethod	Intelligent Air Cooling
Altitude	<4000m (derating over 2000m)
BMS Communication	CAN2.0b
EMS Communication	4G/CAN/RS485
Dimensions (W*D*H)	1850mm*1250mm*2280mm
Weight (Approx.)	3500kg
Annual DegradationRate	<3%
Warranty	5 years
Photovoktaic DCDC Parameter(Optional)	

Maximum Input Component Power	100kW
MPPT Voltage Range	200-850V
Numberof MPPT Tracks	1-2 track
STS(Optional)	
Rated Power	200kW(grid side100kW,load side100kW)
Switching Time	≤20ms

Application

The OL Air-Cooled Outdoor Cabinet F2 is ideal for outdoor applications where environmental conditions are harsh and reliability is critical. Its robust design and advanced cooling technology make it particularly suited for remote installations, renewable energy systems, and backup power solutions in challenging environments. The ability to customize the cabinet with additional PV and STS options ensures it can be tailored to specific needs, whether for industrial use, telecommunications, or off-grid power systems. The cabinet's high efficiency and adaptability make it an excellent choice for organizations seeking a reliable and flexible energy management solution.

Shipping Methods

Supports global air and sea shipping



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou