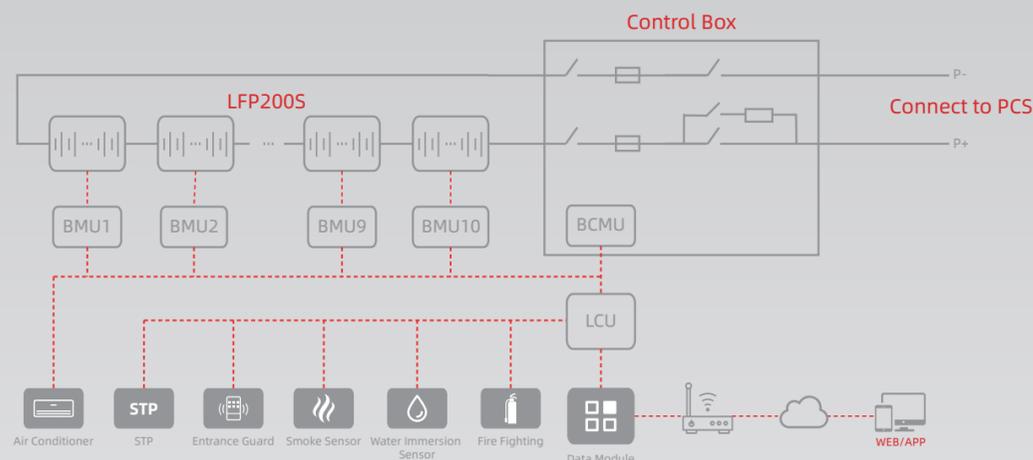


OASIS A180

| 100~180kWh



Application Scenario



PV and Storage Integration

OASIS A180 supports external hybrid inverter, DC coupling access to photovoltaic, integrated system design, one-stop service, high system integration, flexible layout of the scheme, can reduce light abandonment, improve the utilization rate of photovoltaic power generation.



Peak shaving and valley filling

After the OASIS A180 external energy storage inverter is connected, the user charges the energy storage system when the price is low, and takes electricity directly from the energy storage battery without purchasing electricity from the grid during the peak time, thereby avoiding the peak price and reducing the electricity cost.



Emergency Backup

OASIS A180 external hybrid inverter is also suitable for applications that require high continuity of the power grid. When the power grid is cut off, it can be used as a backup power supply to replace the traditional UPS power supply function, and provide backup power supply protection for the critical uninterruptible load in the industrial and commercial park to cope with sudden power failure.



Micro-grid

OASIS A180 can form a microgrid system with inverters, photovoltaic arrays, loads, diesel generators, etc. which is widely used in remote mountain areas, areas without electricity, islands, communication base stations and other places.



Cloud Platform Scheduling

OASIS A180 built-in intelligent EMS system, real-time status monitoring and fault recording, fault warning and fault location; Supports cloud platform functions to achieve remote scheduling, cluster control, and energy efficiency management, enabling global assets to be visualized and digitized, and improving management efficiency.



Frequency and Peak Modulation

OASIS A180 can support 1C fast discharge after connecting to the grid-connected inverter, provide load support during the peak of power consumption, and participate in the load balance of the grid. At the same time, when the power grid frequency fluctuates, as a response to provide fast frequency modulation scheduling services.



OASIS A180 (100~180kWh)

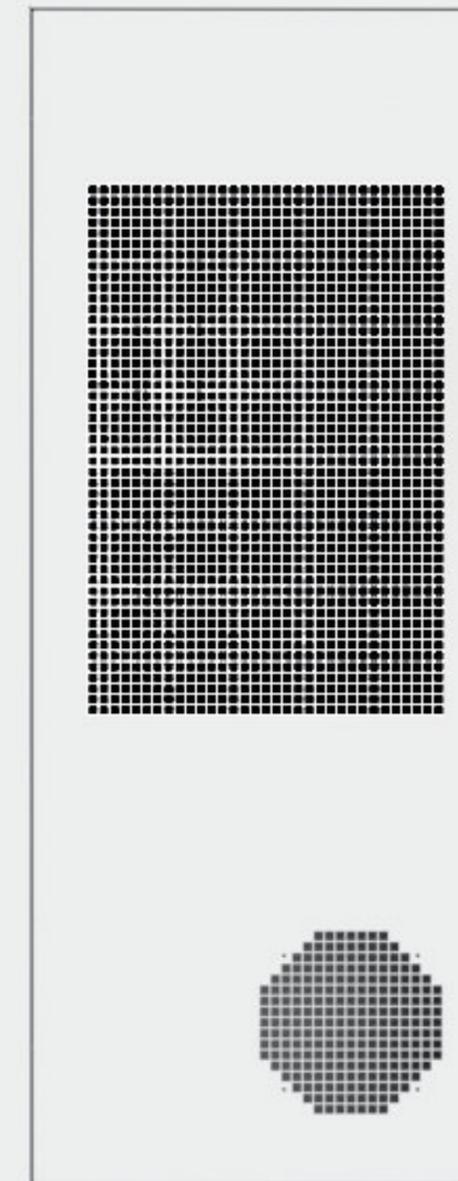
| Product Model | CISS-107 | CISS-125 | CISS-143 | CISS-161 | CISS-179 |
|---------------------------------|-------------------------------------|----------|----------|----------|----------|
| DC Side | | | | | |
| Cell Type | LFP | | | | |
| Cell Specification | 3.2V 280Ah | | | | |
| PACK Capacity (kWh) | 17.92 | | | | |
| PACK quantity | 6 | 7 | 8 | 9 | 10 |
| Rated Capacity (kWh) | 107.52 | 125.44 | 143.36 | 161.28 | 179.2 |
| Rated Voltage (V) | 384 | 448 | 512 | 576 | 640 |
| Voltage range (V) | 336~432 | 392~504 | 448~576 | 504~648 | 560~720 |
| Max. Charge and Discharge Ratio | 1C | 1C | 1C | 1C | 1C |
| System Parameter | | | | | |
| Communication Interface | CAN、RS485、Internet、WiFi | | | | |
| Cooling Mode | Industrial Air-conditioning | | | | |
| Display | Touch Screen, Cloud Platform, APP | | | | |
| Installation Mode | Outdoor | | | | |
| Protection Grade | IP55 | | | | |
| Ambient Temperature | -25 ~ +55°C (> 45°C derating) | | | | |
| Ambient Humidity | 0~95%, No Condensation | | | | |
| Altitude | 3000m | | | | |
| Cell Cycle Life | 9000time (25°C, 0.5C/0.5C, EOL70%)* | | | | |
| Size (W *D* H) | 1150*1375*2200mm | | | | |
| Weight | < 2300kg | | | | |
| Certification | UN38.3、CE、IEC | | | | |

* For warranty instructions, please refer to the warranty terms.

Approved Compatibility List of Inverter Brands

| Inverter brand | Inverter model | SUNWODA ENERGY BATTERY SERIES |
|----------------|---|-------------------------------|
| | | OASIS A180 |
| SMA | Sunny Island X 30/50 | ✓ |
| Solis | S6-EH3P(29.9-50)K-H | ✓ |
| Deye | SUN-29.9/30/35/40/50K-SG01HP3-EU-BM | ✓ |
| SOLINTEG | MHT-25K/30K/36K/40K/50K-100 | ✓ |
| Megarevo | MPS030/MPS050/MPS0100/MPS0150/MPS0250/MPS0500 | ✓ |

OASIS A180



OASIS A180

100~180kWh

Multi-Output Power

The inverter with different power can be selected, and the maximum support is 1C

High Performance BMS

Multi-level distributed architecture, neural network intelligent SOC and SOH algorithm

Multi-protection Design

Cluster level + system level + active explosion venting + partition security isolation

Flexible Installation

Modular, plug and play, parallel expansion

Intelligent EMS

Real-time monitoring, cloud set dimension, multi-platform display

Aerosol Fire Suppression

Touch Screen

Water Fire Suppression Interface

Air Conditioner

PACK

Inverter Support Bracket

Control Box



Highlights

0.2C~1C

The inverter with different power can be selected, and the maximum support is 1C

9000 cycles

SUNWODA self-developed long life Cells are selected

100%DOD

Discharge depth up to 100%, maximize economy

kWh~MWh

Supports parallel capacity expansion, DC combiner is not needed (Within 6 pcs)

< 1.6m²

A single cabinet covers an area of less than 1.6m²

Touch Screen, Cloud Platform, APP

Support wifi, network cable and other communication methods



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