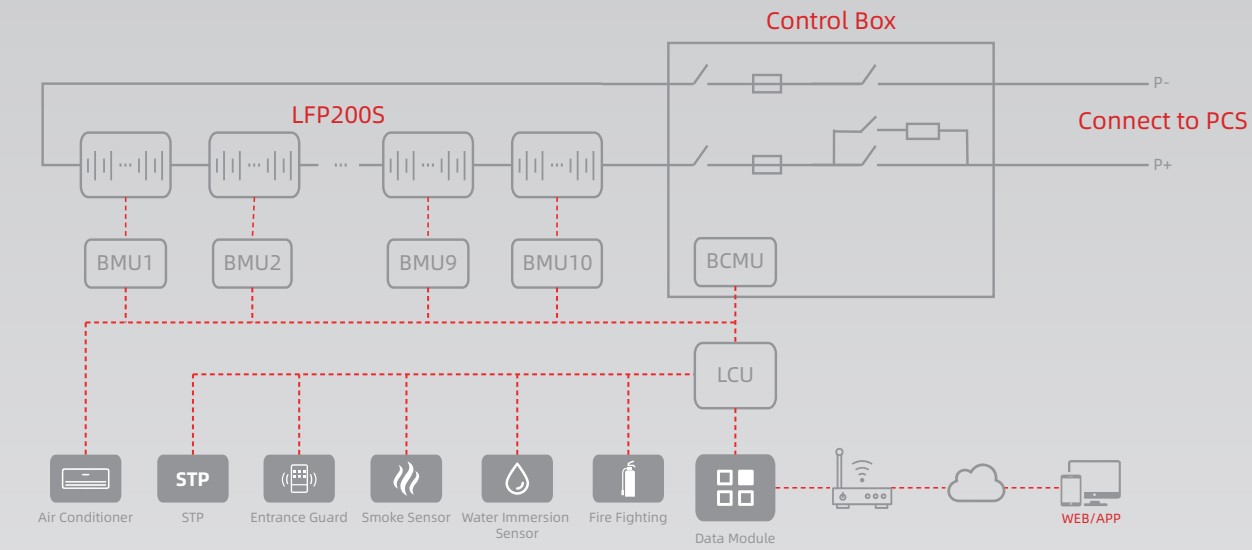


OASIS A180

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 fluctuations, as a response to provide fast frequency modulation scheduling services.

OASIS A180 (100~180kWh)

Product Model	CIESS-107	CIESS-125	CIESS-143	CIESS-161	CIESS-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℃ (> 45℃ derating)				
Ambient Humidity	0~95%, No Condensation				
Altitude	3000m				
Cell Cycle Life	9000time (25℃, 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

SUNWODA
ENERGY

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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