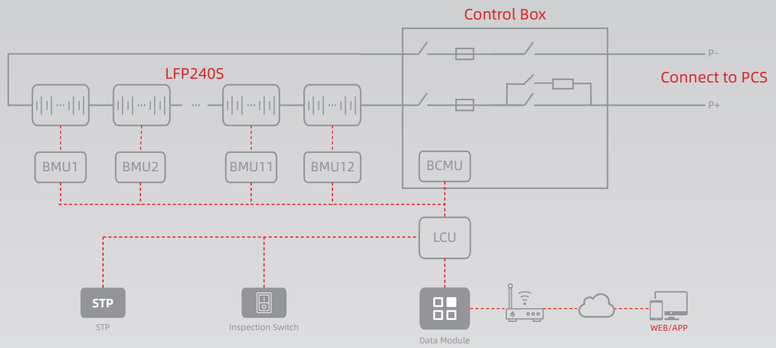
OASIS Rack Pro+

100~200kWh





Application Scenario

PV and Storage Integration

OASIS Rack Pro+ 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 Rack Pro+ 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 Rack Pro+ 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 Rack Pro+ 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 Rack Pro+ built-in intelligent LCU 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.

100~200kWh

Product Model	CIESS-100-RP	CIESS-120-RP	CIESS-160-RP	CIESS-200-RP	CIESS-240-RP
DC Side Parameter					
Cell Specification	3.2V 314Ah				
Cell Type	LFP				
PACK Specification	1P20S，64V，20kWh				
PACK Quantity	5	6	8	10	12
Rated Capacity	100kWh	120kWh	160kWh	200kWh	240kWh
Rated Voltage	320V	384V	512V	640V	768V
Voltage Range	290~360V	348~432V	464~576V	580~720V	696~864V
Max. Charge and Discharge Ratio	0.7C	0.7C	0.7C	0.7C	0.7C
System Parameter					
Communication Mode	CAN, RS485, Ethernet				
Cooling Method	Intelligent air cooling				
Installation Method	Indoor				
Ingress Protection Rating	IP20				
Ambient Temperature	0℃～+55℃（＞45℃ derating）				
Ambient Humidity	0～95%（no condensation）				
Altitude	3000m				
Cell Cycle Life	9000 times (25℃, 0.5C/0.5C, 90%DOD, EOL70%)*				
Dimension	1160*2060*976mm(W*H*D)				
Weight	＜2100kg				
Certification	UN38.3/IEC 62619/IEC 61000/IEC 62477				

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

Approved Compatibility List of Inverter Brands

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES
		OASIS Rack Pro+
SMA	Sunny Island X 30/50	✓
Solis	S6-EH3P(29.9-50)K-H S6-EH3P(75-125)K10-NV-YD-H	✓
Deye	SUN-29.9/30/35/40/50K-SG01HP3-EU-BM	✓
SOLINTEG	MHT-25K/30K/36K/40K/50K-100 M2HT-25K/30K/40K/50K-150 M2HT-75~125K-300	✓
Megarevo	MPS030/MPS050/MPS0100/MPS0150/MPS0250/MPS0500	✓
ATESS	PCS100/PCS250/PCS500/PCS630/PCS1000	✓
SAJ	CH2-29.9~50K-T6-P	✓
Sinexcel	Isuna L22/25/29.9/30/40/42.5/50K-TH	✓

SUNWODA ENERGY



OASIS Rack Pro+

OASIS Rack Pro+

100~200kWh

Multi-Output Power

The inverter with different power can be selected.

High Performance BMS

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

Multi-protection Design

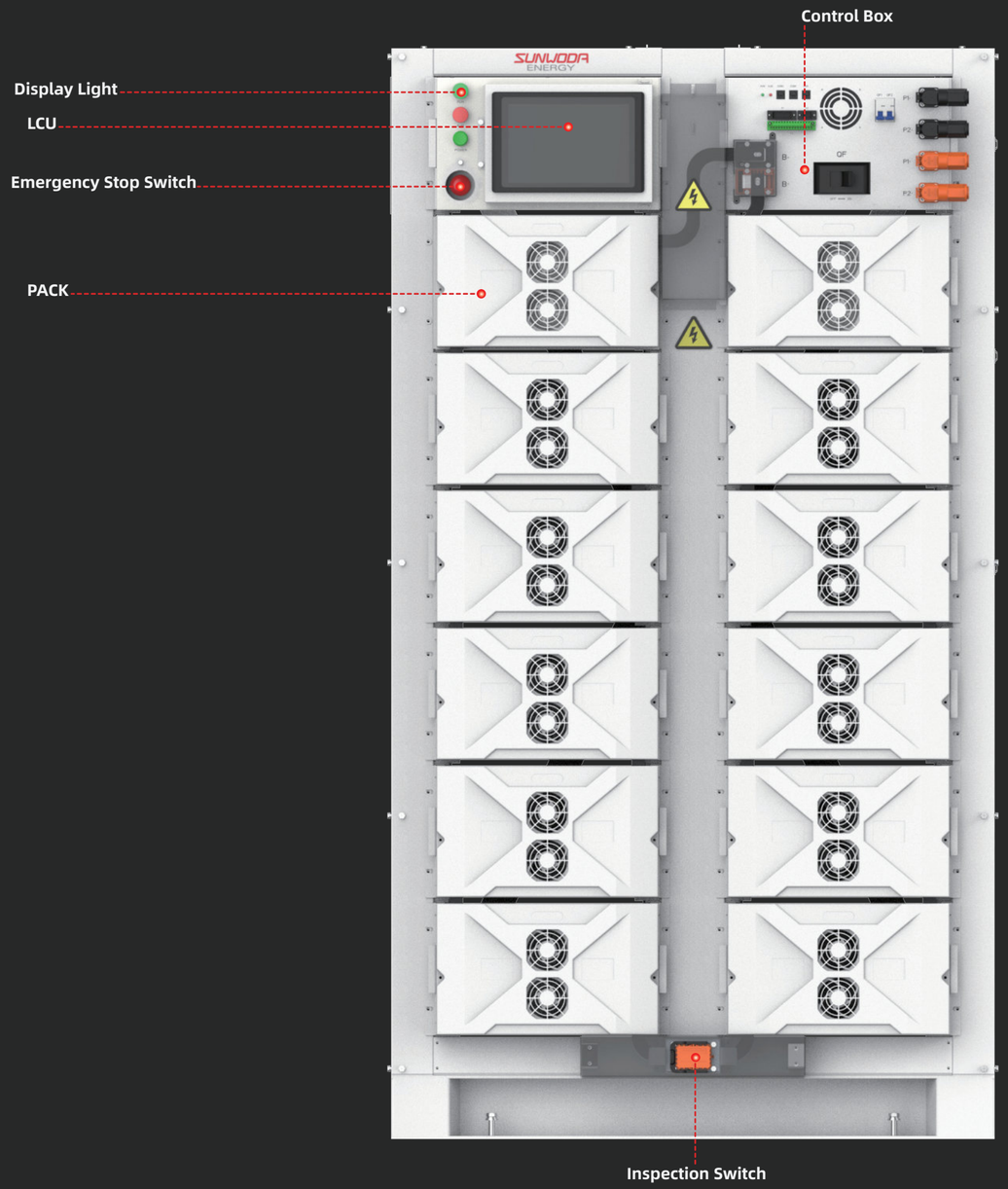
Cluster level active security isolation.

Flexible Installation

Modular, plug and play, parallel expansion.

Intelligent EMS

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



Highlights

9000 cycles

SUNWODA self-developed long life Cells are selected

kWh~MWh

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

100%DOD

Discharge depth up to 100%, maximize economy

Touch Screen, Cloud Platform

Support Wifi, network cable and other communication methods



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