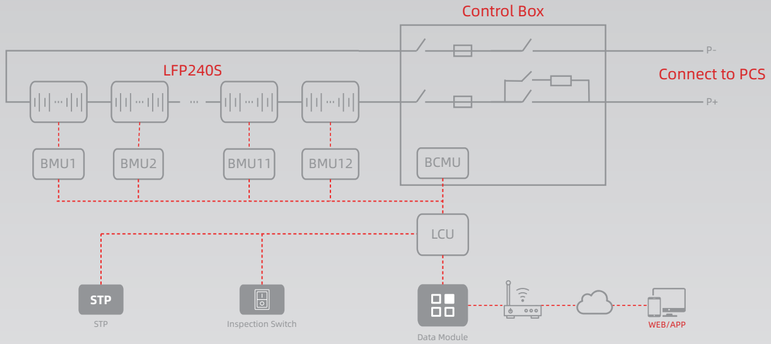
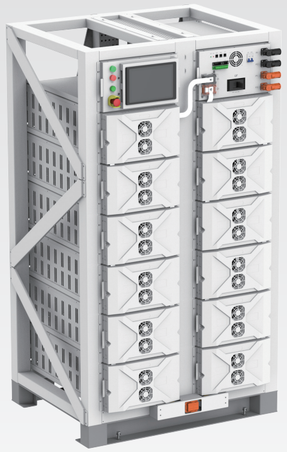
OASIS Rack Pro

107~215kWh



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 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 Rack Pro 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.

107~215kWh

Product Model	CIESS-107-RP	CIESS-125-RP	CIESS-143-RP	CIESS-161-RP	CIESS-179-RP	CIESS-197-RP	CIESS-215-RP
DC side parameter							
Cell specification	3.2V 280Ah						
Cell type	LFP						
PACK specification	1P20S，64V，17.92kWh						
PACK quantity	6	7	8	9	10	11	12
Rated capacity	107.52kWh	125.44kWh	143.36kWh	161.28kWh	179.2kWh	197.12kWh	215.04kWh
Rated voltage	384V	448V	512V	576V	640V	704V	768V
Voltage Range	336~432V	392~504V	448~576V	504~648V	560~720V	616~792V	672~864V
Max. Charge and Discharge Ratio	1C	1C	1C	1C	1C	1C	1C
System parameter							
Communication mode	CAN、RS485、Internet、WiFi						
Cooling method	Intelligent air cooling						
Installation method	Indoor						
Protection degree	IP20						
Operating temperature range	0～+55℃（＞45℃ derating）						
Operating humidity range	0~95%RH，non-condensing						
Dimension(W *D* H)	1160*976*2060mm						
Weight	＜2000kg						
Certification	UN38.3、CE、IEC						

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	✓
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	✓

SUNWODA ENERGY

OASIS Rack Pro

EN-202504 V1.0

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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

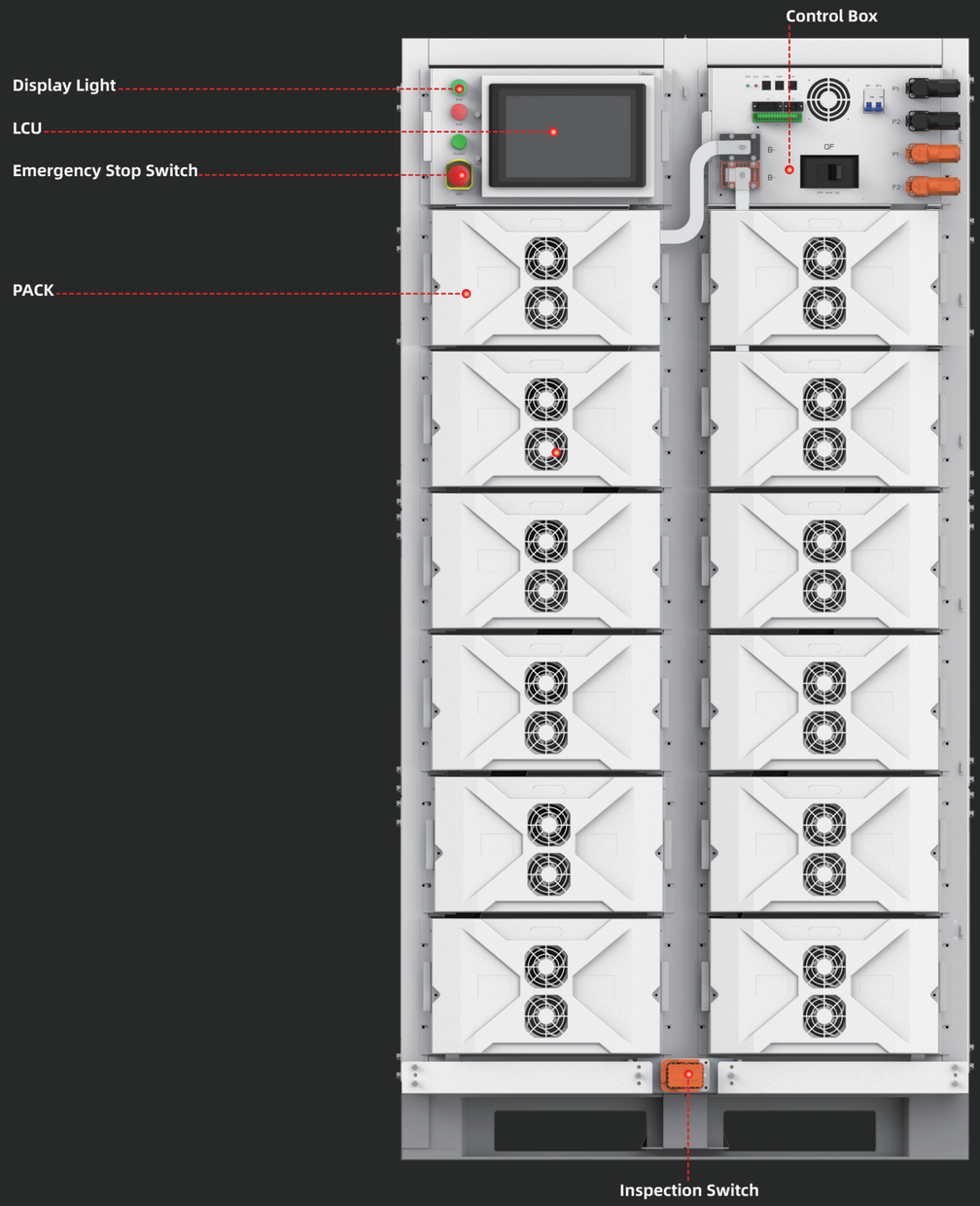
Cluster level active security isolation

Flexible Installation

Modular, plug and play, parallel expansion

Intelligent EMS

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



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)

< 1.2㎡

A single cabinet covers an area of less than 1.2㎡

Touch Screen, Cloud Platform, APP

Support Wifi, network cable and other communication methods

www.sunwodaenergy.com

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