

**To create an efficient,
reliable and clean energy future**



Sunwoda Energy Technology Co., Ltd.

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Information may be modified without notice.

IN THE PAST 28 YEARS

we have been everywhere in your daily life

Consumer battery

Since then, it has dominated the consumer battery market with one third of the market share.

Cellphone battery

Late 1990s, Sunwoda Group manufactured its first cellphone battery.

Electric vehicle battery

Since 2012, Sunwoda Group has focused on EV batteries.

Energy storage system and solution

In 2016, the subsidiary Sunwoda Energy was founded, spanning residential, commercial, industrial, utility, network, and smart energy storage.

COMPANY PROFILE

Sunwoda Energy

As one subsidiary of Sunwoda Group (SZ300207), Sunwoda Energy Technology Co., Ltd. is a globally leading high-tech enterprise focusing on Residential, Commercial&Industrial, Utility Energy Storage Solutions, Network Energy, and Smart Energy.

With over 28 years of experience in the sustainable energy industry, we have the expertise to provide comprehensive energy solutions, including Lithium Battery Cells, Energy Storage Products, and customized Energy Investment&Operational Services.

Sunwoda Inside, Empower Our Future!



TOP 10
Top 10 global battery companies



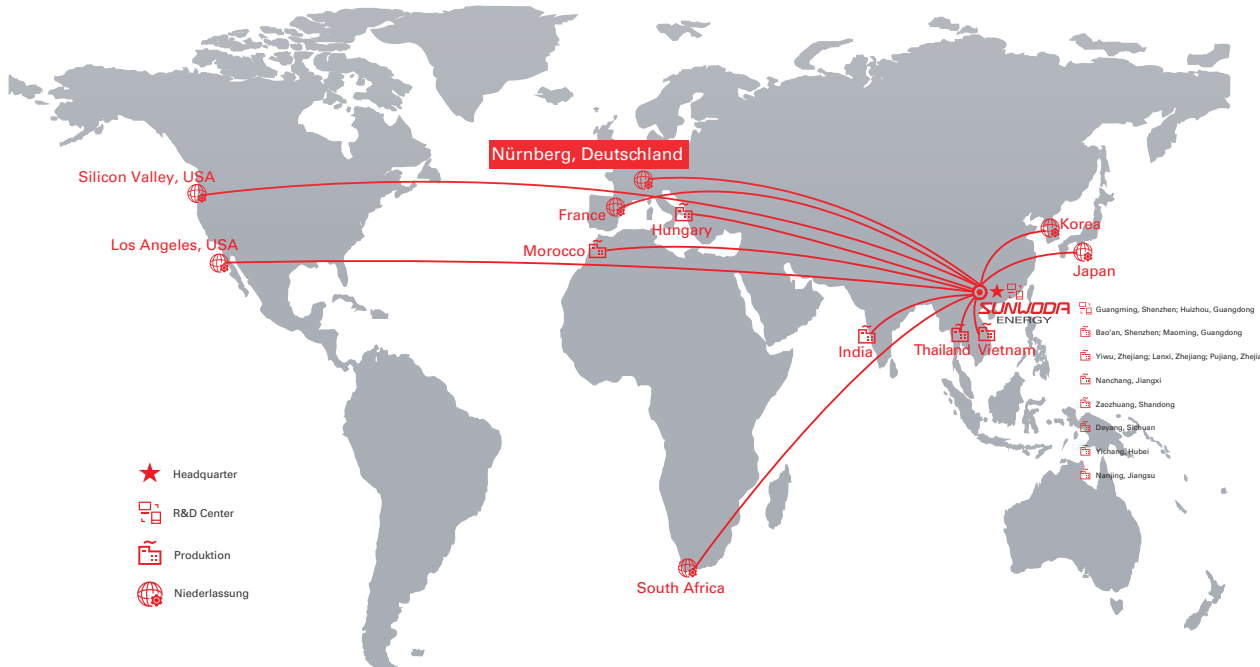
28 years
Focus on new energy industry for 28 years



246GWh
Total production capacity



50000+
50000+ staff worldwide



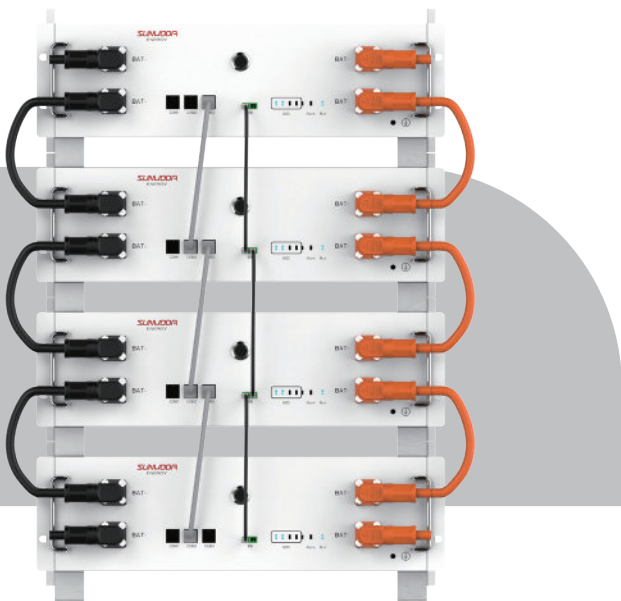
Globalization

A global presence with production plants, R&D centers, and sales divisions located across the world .



Atrix

Sunwoda Atrix series adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 1MWh of 200 battery modules.



Flexible application

- Optimized for rack and build-in cabinet installation



Easy to install

- Plug and play
- Compact and Light
- 2 persons installation



Excellent performance

- 100% DOD
- Operate at -10°C without any limitation and attenuation



Battery APP (Optional)

- Real time monitoring
- Remote maintenance and upgrades (Optional)

Atrix

Model	Atrix-5	Atrix-10	Atrix-15	Atrix-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD) ¹	5kWh	10kWh	15kWh	20kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Rated charge/discharge current ²	50A/80A	100A/160A	150A/240A	200A/320A
Max. charge/discharge current ²	100A/100A	180A/180A	240A/240A	320A/320A
Communication interface	CAN 2.0/RS485			
Scalability	Max.200 in parallel (Optional Data Box)			

Operating conditions	
Installation location	Indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	440*135*410/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Altitude	<4000m
Cooling	Natural convection
Warranty	10 years ³
Certificates	IEC62619/CE/CEI 0-21/UL1973/FCC/UN38.3
<p>1.Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. 2.The current is affected by temperature and SOC. 3.For warranty instructions, please refer to the warranty terms.</p>	



Atrix Basic

Sunwoda Atrix Basic adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 1MWh of 200 battery modules.



Flexible application

- Optimized for rack and build-in cabinet installation



Easy to install

- Lug connection
- Compact and light, 2 persons installation



Battery APP (Optional)

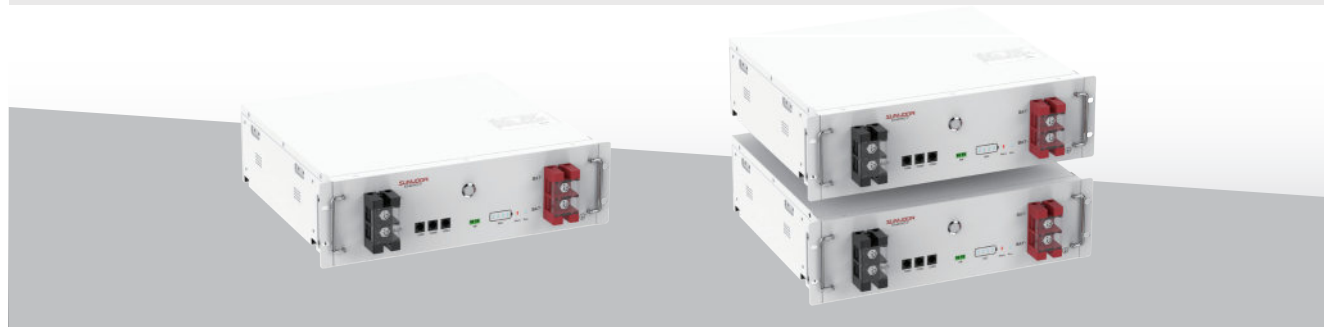
- Real time monitoring
- Remote maintenance and upgrades (optional)

Atrix Basic

Model	Atrix Basic-5	Atrix Basic-10	Atrix Basic-15	Atrix Basic-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD) ¹	5kWh	10kWh	15kWh	20kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Rated charge/discharge current ²	50A/80A	100A/160A	150A/240A	200A/320A
Max. charge/discharge current ²	100A/100A	180A/180A	240A/240A	320A/320A
Communication interface	CAN 2.0/RS485			
Scalability	Max.200 in parallel (Optional Data Box)			

Operating conditions	
Installation location	Indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:32°F to 122°F (0°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	440*135*410/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Altitude	<4000m
Cooling	Natural convection
Warranty	10 years ³
Certifications	IEC62619/CE/UN38.3

1. Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.
2. The current is affected by temperature and SOC.
3. For warranty instructions, please refer to the warranty terms.



Atrix Smart



Flexible application

- Modular design, easily extend capacity



Flexible installation

- Compact and light, 2 persons installation
- Single/double pack installed structure
- Wall mounted/floor installation



Excellent performance

- 100% DOD
- Operate at -10°C without any limitation and attenuation (optional)



Remote data access & control (optional)

- One data logger manage multiple devices (up to 16)
- Real-time monitoring
- Remote operation and upgrades

Atrix Smart

Model	Atrix Smart 5	Atrix Smart 10	Atrix Smart 15	Atrix Smart 20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD) ¹	5kWh	10kWh	15kWh	20kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Rated charge/discharge current ²	50A/80A	100A/160A	150A/240A	200A/320A
Max. charge/discharge current ²	100A/100A	180A/180A	240A/240A	320A/320A
Communication interface	CAN 2.0/RS485			
Scalability	Max. 16 in parallel, Max. 80 kWh			

Operating conditions	
Installation location	Indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:32°F to 122°F (0°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	501*142*452/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Altitude	<4000m
Cooling	Natural convection
Warranty	10 years ³
Certifications	IEC62619/CE/UN38.3
<p>1. Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. 2. The current is affected by temperature and SOC. 3. For warranty instructions, please refer to the warranty terms.</p>	



MonaWall-SE5

Cleaner Power, Reliable Benefits - Lighter Weight, Faster Installation.



Flexible application

- Optimized for wall-mounted installation



Easy to install

- Plug and play
- Compact and Light
- 2 persons installation



Excellent performance

- 100% DOD
- Operate at -10°C without any limitation and attenuation



Battery APP (optional)

- Real time monitoring
- Remote maintenance and upgrades

MonaWall-SE5

Model	MonaWall-SE5
Nominal energy	5kWh
Usable energy (100%DOD) ¹	5kWh
Rated voltage	51.2V
Charge/discharge cut off voltage	44.8V~55.2V
Rated charge/discharge current ²	50A/80A
Max. charge/discharge current ²	100A/100A
Communication interface	CAN 2.0/RS485
Scalability	Max. 16 in parallel, Max. 80 kWh

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	544*533*162
Weight	53kg
Enclosure protection rating	IP65
Altitude	< 4000m
Cooling	Natural convection
Warranty	10 years ³
Certifications	IEC62619/CE/CEI 0-21/UN38.3
<p>1. Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. 2. The current is affected by temperature and SOC. 3. For warranty instructions, please refer to the warranty terms.</p>	

SunESS

Sunwoda SunESS series provide the most safety & reliable energy storage solutions to customer worldwide.



Flexible capacity options

- Stackable module design, easily extend
- 5kWh per module, scalable from 5 to 60kWh



Easy to install

- Without wire connection
- Compact and Light, 2 persons installation



Excellent performance

- 100% DOD
- Operate at -10°C without any limitation and attenuation



Remote Data Access&Control

- Real time monitoring
- Remote maintenance and upgrades

SunESS

Model	SunESS-5	SunESS-10	SunESS-15	SunESS-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD) ¹	5kWh	10kWh	15kWh	20kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Rated charge/discharge current ²	50A/80A	100A/160A	150A/200A	200A/200A
Max. charge/discharge current ²	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 250A, 80V rating			
Scalability	Max. 3 in parallel, Max. 60kWh			

Operating conditions

Installation location	Outdoor or indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	573*(597/912/1227/1542)*189
Weight	65kg/115kg/165kg/215kg
Enclosure protection rating	IP65
Altitude	< 4000m
Cooling	Natural convection
Warranty	10 years ³
Certifications	IEC62619/CE/CEI 0-21/UL1973/FCC/UL9540/UL9540A/UN38.3

1. Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.

2. The current is affected by temperature and SOC.

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



Coming Soon!

SunESS L2

Sunwoda SunESS L2.0 series provide the most safety & reliable energy storage solutions to customer worldwide.



Flexible capacity options

- Stackable module design, easily extend



Easy to install

- Without wire connection
- Compact and Light, 2 persons installation



Excellent performance

- 100% DOD
- Operate at -10°C without any limitation and attenuation



Remote Data Access&Control

- Real time monitoring
- Remote maintenance and upgrades

SunESS L2

Model	SunESS-5L2	SunESS-10L2	SunESS-15L2	SunESS-20L2
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD) ¹	5kWh	10kWh	15kWh	20kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Rated charge/discharge current ²	50A/80A	100A/160A	150A/200A	200A/200A
Max. charge/discharge current ²	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 250A, 80V rating			
Scalability	Max. 20kWh			

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	573*(427/774/1121/1468)*189
Weight	52kg/100kg/148kg/196kg
Enclosure protection rating	IP65
Altitude	< 4000m
Cooling	Natural convection
Warranty	10 years ³
Certifications	IEC62619/CE/UN38.3

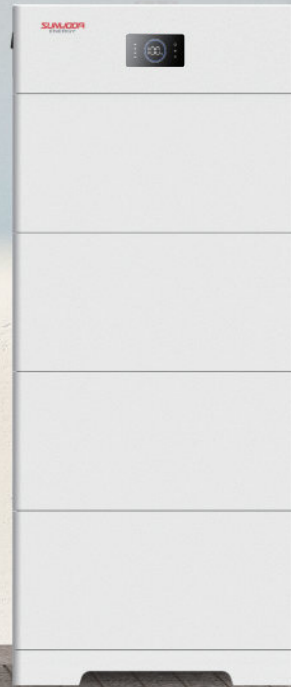
1. Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.
2. The current is affected by temperature and SOC.
3. For warranty instructions, please refer to the warranty terms.



SunESS H

Smart Stacked Energy Storage System

Sunwoda SunESS H series provide the most safety & reliable energy storage solutions to customer worldwide.



High voltage (~400V) enabled by built-in DC-DC



Flexible capacity configuration (5–60kWh)



Module level energy optimization, mixed use of old and new



Compatible with market-leading hybrid inverter(> 10 brands)



Safe and long-life LiFePO₄ (LFP) technology

SunESS - H

Model	SunESS-5H	SunESS-10H	SunESS-15H	SunESS-20H
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (90% DOD) ¹	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	400V	400V	400V	400V
Operating voltage range	350V~450V	350V~450V	350V~450V	350V~450V
Rated charge/discharge power ²	2.5kW	5kW	7.5kW	10kW
Peak output power	4.2kW/20s	8.4kW/20s	12.6kW/20s	16.8kW/20s
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 50A, 1000V rating			
Scalability	Max. 3 in parallel, Max. 60 kWh			

Operating conditions

Installation location	Outdoor or indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	653*(597/912/1227/1542)*189
Weight	67kg/119kg/171kg/223kg
Enclosure protection rating	IP65
Altitude	< 4000m
Cooling	Natural convection
Noise emission	< 29dB
Warranty	10 year ³
Certifications	IEC62619/CE/UN38.3/VDE 2510-50/CEI 0-21/FCC/UL1973

1. Test conditions: 90% DOD, 0.2C charge & discharge at 25°C.

2. The power is affected by temperature and SOC.

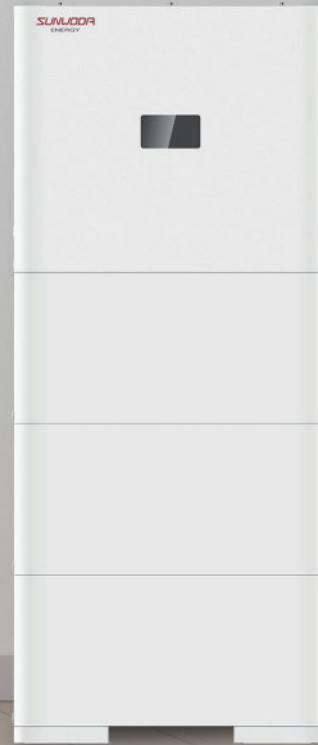
3. For warranty instructions, please refer to the warranty terms.



Coming Soon!

SunESS H2

It is composed of Main Battery Module with control function, Expansion Battery Module without control function, and the base in three parts.



High voltage (~400V) enabled by built-in DC-DC



Flexible capacity configuration (5–60kWh)



Main Battery built-in control module for more easy installation wall mounted/floor installation



Module level energy optimization, mixed use of old and new



Real-time monitoring, remote maintenance and upgrades

SunESS - H2

Model	SunESS-5H2	SunESS-10H2	SunESS-15H2	SunESS-20H2
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy(90% DOD) ¹	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	400V	400V	400V	400V
Operating voltage range	350V~450V	350V~450V	350V~450V	350V~450V
Rated charge/discharge power ²	2.5kW	5kW	7.5kW	10kW
Peak output power	4.2kW/20s	8.4kW/20s	12.6kW/20s	16.8kW/20s
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 50A, 1000V rating			
Scalability	Max. 3 in parallel, Max. 60 kWh			

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D, mm)	653*(593/908/1223/1538)*189
Weight	61kg/112.5kg/164kg/215.5kg
Enclosure protection rating	IP65
Altitude	<4000m
Cooling	Natural convection
Noise emission	< 29dB
Warranty	10 years ³
Certificates	IEC62619/CE/UN38.3/VDE2510-50

1. Test conditions: 90% DOD, 0.2C charge & discharge at 25°C.
 2. The power is affected by temperature and SOC.
 3. For warranty instructions, please refer to the warranty terms.



Max. 12 years warranty

SunESS Power

All-in-One



All-in-One

- Modular, Compact and Simple
- Easy Installation(30 Minutes Max)
- Flexible Battery Expansion (5kWh-40kWh)



Safe and reliable

- Short circuit protection
- Optional Arc-fault prevention (AFCI)
- Optional rapid shut-down (RSD)



Withstand 150% inrush current over 10 seconds



Support 150% oversized PV power



Support 100% 3 phase Unbalanced load



Ultra-fast switching (10ms) from On-grid to Off-grid state



Max. 12 years' warranty



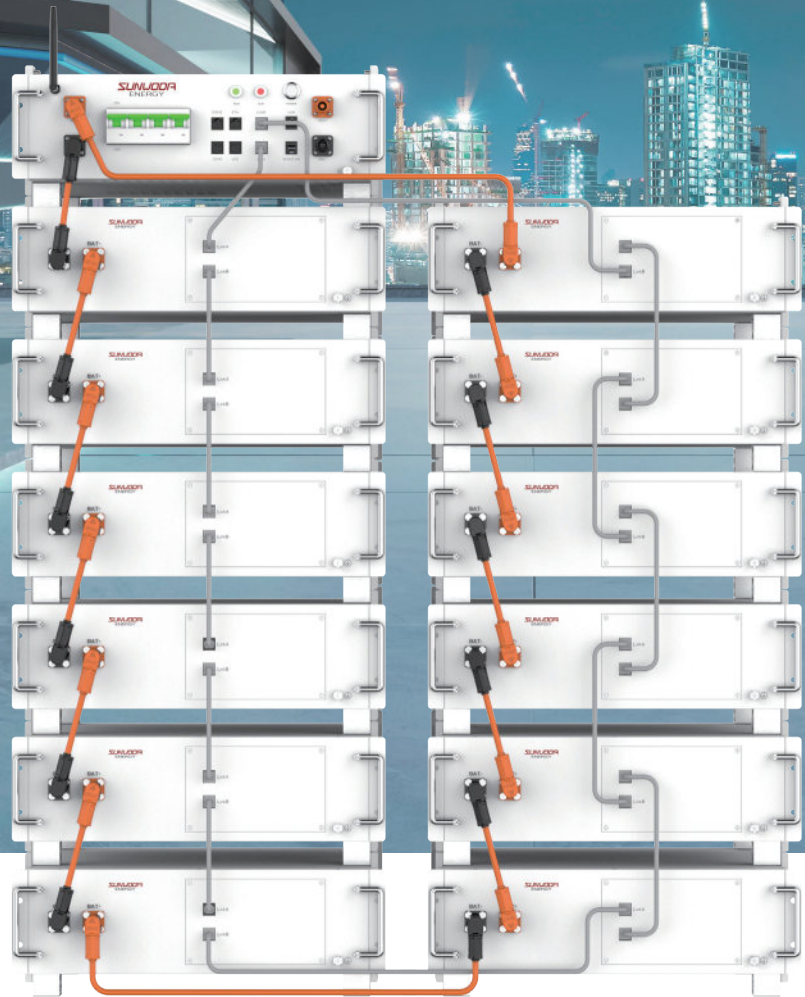
Support heat Pump (optional)

System Parameters								
Norminal Output Power	5~15kW							
Number of battery module	1	2	3	4	5	6	7	8
Battery nominal energy	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Dimensions (W/H/D) mm	650/875/250	650/1190/250	650/1505/250	650/1820/250	650/1505/250 650/910/190	650/1505/250 650/1225/190	650/1820/250 650/1225/190	650/1820/250 650/1540/190
Total weight	98kg	150kg	202kg	254kg	202kg+119kg	202kg+171kg	254kg+171kg	254kg+223kg
Operating temperature	Discharging:-4°F to 122°F (-20°C to 50°C), Charging:14°F to 122°F (-10°C to 50°C)							
Relative humidity	5% to 95%, non-condensation							
Altitude	<4000m(>3000m derating)							
Cooling method	Air cooling							
Noise emission	<47dB							
Ingress protection	IP65							
Installation method	Stacked/Leaning against the wall							
Safety standards	EN 62109-1/EN 62109-2/EN 62477-1/EN 61000-6-1/EN61000-6-3							
Grid standards	EN 50549-1/VDE4105/VDE 0124/NC-RfG:2016/EIFS:2018/ToR Type A/ NAVEEA-NE7-CH2020							
Battery standards	IEC62619/CE/UN38.3/VDE 2510-50/FCC/UL1973							

SunESS Power All-in-One

Battery Module						
Battery Type	LiFePO4					
Nominal energy	5kWh					
Usable energy	4.5kWh					
Rated voltage	400V					
Voltage range	350~450V					
Rated charge/discharge power	2.5kW					
Peak output power	4.2kW/20s					
Weight	52kg					
Dimensions (W/H/D)	650/315/190mm					
Inverter Module	SW5KH3UT	SW6KH3UT	SW8KH3UT	SW10KH3UT	SW12KH3UT	SW15KH3UT
PV Input Parameters						
Max. input power	8000W	9000W	12000W	15000W	22500W	22500W
Max. input voltage	1000V					
MPPT voltage range	180~850V					
Start-up voltage	180V					
Max. input current per MPPT	A: 15A	A: 15A	A: 15A / B: 30A	A: 15A / B: 30A	A: 15A / B: 30A	A: 15A / B: 30A
Max. short-circuit current per MPPT	A: 19A	A: 19A	A: 19A / B: 38A	A: 19A / B: 38A	A: 19A / B: 38A	A: 19A / B: 38A
Number of MPPTs	1	1	2	2	2	2
Number of input strings per MPPT	A: 1	A: 1	A: 1/ B: 2	A: 1/ B: 2	A: 1/ B: 2	A: 1/ B: 2
Battery Input Parameters						
Support battery capacity	5~40kWh					
Rated battery voltage	400V					
Battery voltage range	350~450V					
Max. continuous charging current	23A			46A		
Max. continuous discharge current	23A			46A		
Max. discharge power	5000W	6000W	8000W	10000W	12000W	15000W
Max. charging power	5000W	6000W	8000W	10000W	12000W	15000W
Output parameters(On-grid)						
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. input apparent power	8000VA	9000VA	12000VA	15000VA	18000VA	22500VA
Rated output voltage	220/380V 230/400V 3W/N/PE					
Rated output frequency	50Hz					
Max. output current	8.4A	10A	13.4A	16.7A	20A	25A
Max. input current	12.2A	13.7A	18.2A	22.8A	27.4A	34.2A
Power factor	0.8 leading to 0.8 lagging					
THDi	<3%					
Output parameters(Off-grid)						
Off-grid rated apparent power	5000VA	6000VA	8000VA	10000VA	12000VA	15000VA
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. output current	7.6A	10A	13.4A	16.7A	20A	25A
Rated output voltage	220/380V 230/400V 3W/N/PE					
Rated output frequency	50Hz					
THDv (@Linear Load)	<3%					
Efficiency						
Max. efficiency	97.4%	97.4%	97.8%	97.8%	97.8%	97.8%
Euro. Efficiency	96.5%	96.5%	96.8%	96.8%	97%	97%
Protection						
Input DC switch	Integrated					
Insulation Resistance Detection	Integrated					
Residual current monitoring	Integrated					
Input reverse polarity protection	Yes					
Anti-Islanding Protection	Yes					
Over current protection	Yes					
AC short circuit protection	Yes					
AC Over voltage protection	Yes					
AFCI(Arc Fault Circuit Interrupter) Protection	Optional					
Dry contact remote scheduling	Yes					
DC Surge Protection	Type II	Type II	Type II	Type II	Type II	Type II
AC surge protection	Type II	Type II	Type II	Type II	Type II	Type II
Basic parameters						
Display	LED&APP					
BMS communication method	CAN					
Meter communication method	RS485					
Monitoring method	WiFi/bluetooth					
Topology	Transformerless					
Operating temperature range	-30~60 °C (>45°Cderating)					
Weight	41kg					
Dimensions (W/H/D)	650/480/250mm					

OASIS Flex



Easy to install and deploy with large space utilization



Unique modular design & flexible function configuration



Real time monitoring , remote maintenance and upgrades



Strong scalability, simple & convenient expansion on DC sides

OASIS Flex

System Model	CIESS25-R-S	CIESS30-R-S	CIESS35-R-S	CIESS40-R-S	CIESS45-R-S	CIESS50-R-S	CIESS55-R-S	CIESS60-R-S
Number of battery packs	5	6	7	8	9	10	11	12
Rated voltage	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Voltage range	224~288V	268.8~345.6V	313.6~403.2V	358.4~460.8V	403.2~518.4V	448~576V	492.8~633.6V	537.6~691.2V
Rated energy	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh
Max. C-rate	1C	1C	1C	1C	1C	1C	1C	1C
Weight	248kg	294kg	340kg	386kg	432kg	478kg	524kg	570kg
Dimension (W*D*H, mm)	480*410*1040	480*410*1210	1180*410*700	1180*410*870	1180*410*870	1180*410*1040	1180*410*1040	1180*410*1210
Cycle life	6000times (25°C, 0.5C/0.5C, 90%DOD, EOL60%)*							
Communication	CAN/RS485/WiFi/ETH							
Expansion	Support in parallel up to 6 clusters							
Enclosure protection rating	IP20							
Cooling	Natural cooling							
Ambient temperature	Charge: 0-50°C Discharge: -20-55°C							
Humidity	10%~95%RH							
Altitude	2000m							
Short circuit protection	Yes							
Over current protection	Yes							
Over charge protection	Yes							
Over discharge protection	Yes							
Over voltage protection	Yes							
Under voltage protection	Yes							
Over temperature protection	Yes							
Certifications	UN38.3/CE/IEC62619/IEC62477							
Module Parameter								
Module Model	B051100S02							
Module Rated voltage	51.2V							
Module Energy	5kWh							
Module Dimension (W*D*H)	443*410*135mm							
Module Weight	43.3kg							
Warranty	5 years*							
* For warranty instructions, please refer to the warranty terms.								
* According to the market-general inverter selection, the maximum supported capacity of a single set can reach 70kWh.								

OASIS Rack



Easy to install and deploy with large space utilization



Unique modular design & flexible function configuration



Real time monitoring , remote maintenance and upgrades



Strong scalability, simple & convenient expansion on DC sides

OASIS Rack

System Model	CIESS25-R	CIESS30-R	CIESS35-R	CIESS40-R	CIESS45-R	CIESS50-R	CIESS55-R	CIESS60-R
Number of battery packs	5	6	7	8	9	10	11	12
Rated voltage	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Voltage range	224~288V	268.8~345.6V	313.6~403.2V	358.4~460.8V	403.2~518.4V	448~576V	492.8~633.6V	537.6~691.2V
Rated energy	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh
Max. C-rate	1C	1C	1C	1C	1C	1C	1C	1C
Weight	311kg	356kg	401kg	446kg	515kg	560kg	605kg	650kg
Dimension (W*D*H, mm)	605*588*1470				605*588*2070			
Cycle life	6000times (25°C, 0.5C/0.5C, 90%DOD, EOL60%)*							
Communication	CAN/RS485/WiFi/ETH							
Expansion	Support in parallel up to 6 clusters							
Enclosure protection rating	IP20							
Cooling	Natural cooling							
Ambient temperature	Charge: 0-50°C Discharge: -20-55°C							
Humidity	10%~95%RH							
Altitude	2000m							
Short circuit protection	Yes							
Over current protection	Yes							
Over charge protection	Yes							
Over discharge protection	Yes							
Over voltage protection	Yes							
Under voltage protection	Yes							
Over temperature protection	Yes							
Certifications	UN38.3/CE/IEC62619/IEC 62477							
Module Parameter								
Module Model	B051100S02							
Module Rated voltage	51.2V							
Module Energy	5kWh							
Module Dimension (W*D*H)	443*410*135mm							
Module Weight	43.3kg							
Warranty	5 years*							
* For warranty instructions, please refer to the warranty terms.								

* According to the market-general inverter selection, the maximum supported capacity of a single set can reach 70kWh.

OASIS 60



Plug-and-Play Installation (Pre-Wired), Convenient Expansion from 60kWh to 360kWh; IP55 Rated.



An Outdoor Battery with Air Cooling for Ultimate Convenience.



Equipped with Fire Suppression System, Smoke Sensors, and Emergency Button for Enhanced Safety and Protection.



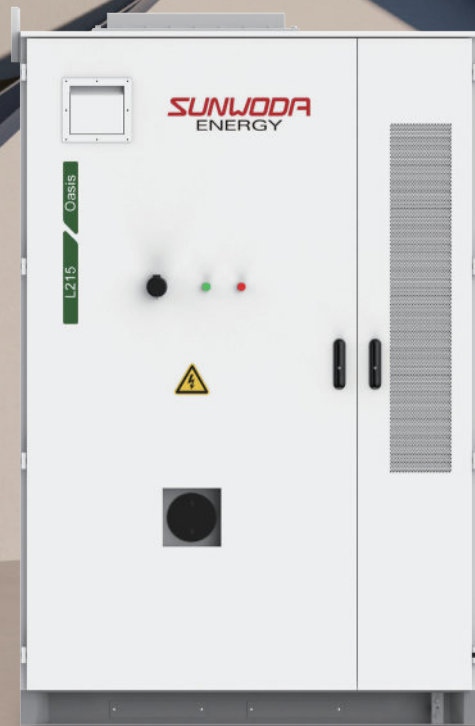
Compatibility with Solis, Deye, and Solinteg inverters offers unparalleled flexibility, empowering you to tailor your energy solution.

OASIS 60

Model Type	CIESS 60
System Parameters	
Battery number	12pcs
Rated voltage	614.4V
Voltage range	537.6~691.2V
Max. C-rate	1C
Rated energy	60kWh
Weight	807kg
Dimensions	715*890*2140mm (L * W * H)
Expansion	Supports up to 6 battery cabinets in parallel
Protection level	IP55
Temperature control method	Air-conditioning
Ambient temperature	-20~55°C
Recommended storage temperature	20~30°C
Working humidity	10%~95%RH (without condensation)
Communication	CAN/RS485/Wifi
Warranty	5 years*
Altitude	2000m
Cycle life	6000times (25°C, 0.5C/0.5C, 90%DOD, EOL60%)*
Basic protection functions	Charge overvoltage, discharge under voltage, overcurrent, over temperature, short circuit protection, etc.
Accreditation	IEC62619/CE/UN38.3/IEC62477
* For warranty instructions, please refer to the warranty terms.	



OASIS L215



Support maximum continuous 1 C charge / discharge rate.



Ultimate safety, five levels of safety design, with combustible gas venting and explosion relief design



Innovative liquid cooling technology, extending battery lifespan by over 20%.



Modular design, support capacity expansion, flexible installation

OASIS L215

Single Cluster Solution	
Model Type	OASIS L215
Rated energy	215kWh
No.of modules	5
Rated voltage	768V
Voltage range	624~876V
Max. C-rate	1C
Ambient temperature	-30~55°C
Working relative humidity	0~95% (no condensation)
Altitude	2000m
Cooling method	Liquid cooling
Fire suppression system	Cluster level aerosol agent fire suppression+combustible gas detection and ventilation linkage+deflagration relief panel
Auxiliary power supply	220VAC/50Hz; 110VAC/60Hz
Communication interface	CAN/RS485/Ethernet
Enclosure protection rating	IP55
Dimensions(W*D*H)	1570mm*1350mm*2380mm
Weight	2520kg
Accreditation	CE/IEC62619/UL1973/UN38.3/IEC62477



OASIS L344

Liquid Cooling Solution
Outdoor Liquid Cooling Cabinet



Easily configurable and scalable



Less LCOS within life span



Long service life



Smart management



High system safety



Shorter deployment time



High energy density

OASIS L344

Single Cluster Solution	
Model Type	OASIS L344
Rated energy	344kWh
No.of modules	8
Rated voltage	1228.8V
Voltage range	998.4~1401.6V
Max. C-rate	1C
Ambient temperature	-30~55°C
Working relative humidity	0~95% (no condensation)
Altitude	2000m
Cooling method	Liquid cooling
Fire suppression system	Cluster level aerosol agent fire suppression+combustible gas detection and ventilation linkage+deflagration relief panel
Auxiliary power supply	220VAC/50Hz; 110VAC/60Hz
Communication interface	CAN/RS485/Ethernet
Enclosure protection rating	IP55
Dimensions(W*D*H)	1570mm*1350mm*2380mm
Weight	3480kg
Accreditation	CE/IEC62619/UL1973/UN38.3/IEC62477



OASIS Power



Modularized design, support optional STS module; flexible capacity expansion, convenient operation and maintenance.



Adjustable output power, charge and discharge power can be set, strong grid adaptability.



Smooth switching between off-grid and on-grid, uninterrupted power supply to the load.



Integrate LCU functions, support external EMS energy management strategies, can participate in the power market auxiliary services.

OASIS Power

Product Model	OSP-100K	OSP-200K	OSP-300K	OSP-400K
Battery Side Parameter				
Operating Voltage Range	650~950V			
Full Power Voltage Range	715~950V			
Max. Input Current	171A	342A/171A*2	171A*3	342A*2/171A*4
Connected Number of Battery Cluster Branches	1	1/2	3	2/4
Grid Side Parameter (On Grid)				
Max. Output Power	110kVA	220kVA	330kVA	440kVA
Nominal Output Power	100kW	200kW	300kW	400kW
Nominal Output Voltage	230/400V			
Nominal Output Current	144A	288A/144A*2	144A*3	288A*2/144A*4
Max. Output Current	159A	318A/159A*2	159A*3	318A*2/159A*4
Nominal frequency	50/60(±5Hz)			
THDi	≤3%			
Power Factor	-1(Leading)~1(Laging)			
Wiring Method	3W+N+PE			
Grid Side Parameter(Off Grid)				
Nominal Power	/	180kW	/	/
Nominal Output Voltage	/	230V/400V	/	/
Nominal Output Current	/	260A/130A*2	/	/
Nominal Frequency	/	50/60Hz	/	/
THDu	/	<3% (Linear load)	/	/
System Parameter				
Temperature	-20~+55°C (Derating above 45 °C)			
Humidity	5~95%RH, Non-condensing			
Altitude	2000m			
Cooling Mode	Intelligent Air-Cooling			
Protection Grade	IP54			
Size(W *D* H)	750*1200*2060mm/1200*1200*2380mm		1200*1200*2380mm	
Weight	< 1000kg			
Accreditation	IEC 61000-6-1/3; IEC62109-1/2; IEC 62477-1; EN 50549-1, EN 50549-10, EN 50438, C10/C11, EIFS			
* The functional configurations of the above products can be selected according to different needs.				










Approved Compatibility List of Inverter Brands

LV Residential Energy Storage Solution

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES				
		SunESS Series	Atrix Series			
		SunESS/SunESS L2 	Atrix 	MonaWall-SE5 	Atrix Basic 	Atrix Smart 
SMA 	SI 4.4-M SI 6.0-H SI 8.0-H	✓	✓	✓	✓	✓
Victron 	MultiPlus-II 48 Series Quattro 48 Series	✓	✓	✓	✓	✓
Solis 	RHI-(3-6)K-48ES-5G RHI-(3-5)K-48ES S6-EH1P(3-6)K-L	✓	✓	✓	✓	✓
	S5-EH1P(3-6)K-L	✓ (CEI 0-21 listing)	✓ (CEI 0-21 listing)	✓	✓	✓
Deye 	SUN-3/3.6/5/6K-SG03LP1-EU SUN-5/6/8/10/12K-SG04LP3-EU	✓ (CEI 0-21 listing)	✓	✓	✓	✓
	SUN-3.6/5/6/7.6/8K-SG01LP1-EU SUN-12/14/16K-SG01LP1-EU	✓	✓	✓	✓	✓
Goodwe 	GW3648D/5048D-ES	✓	✓	✓	✓	✓
	EM:GW3048/5048-EM LV	✓	✓	✓	✓	✓
	S-BP:GW3600S/5000S-BP	✓	✓	✓	✓	✓
Solplanet 	ASW3000/3680/4000/5000/6000H-S2	✓	✓	✓	✓	✓
Afore 	AF1/1.5/2/2.5/3/3.6K-SL-1 AF3/3.6/4/4.6/5/5.6/6K-SL	✓	✓	✓	✓	✓
invtr 	XD3K6/4K/4K6/5K/6KTL	✓	✓	✓	✓	✓
Luxpower LUPOWER 	LXP-LB-US 12K	✓ (UL9540 listing)	✓	✓	✓	✓
	LXP3/3.6/4.6/6K, 1phase	✓ (CEI 0-21 listing)	✓ (CEI 0-21 listing)	✓ (CEI 0-21 listing)	✓	✓
	SNA3000/4000/5000/6000	✓	✓	✓	✓	✓
Megarevo 	R3K/3K6/4K/4K6/5K/6K1	✓	✓	✓	✓	✓
	R5K/6K/7K6/8K/10KLNA	✓ (UL9540 listing)	✓	✓	✓	✓
Sacolar 	M5000H-48BP_MHP series MHP 3000 series MLP series,SP series	✓	✓	✓	✓	✓
Solark 	Sol-Ark-5k-P/Sol-Ark-8k-P/Sol-Ark-12k-P	✓ (UL9540 listing)	✓	✓	✓	✓
Senergy 	SE 3K6HB-60 SE 4K6/5K/6KHB-120 SE 8/10KHB-T/EU SE 5K/6K/8K/10KHB-UL	✓	✓	✓	✓	✓
Hoymiles 	HYS-LV Series HAS-LV Series	✓	✓	✓	✓	✓
Voltronic Power 	Axpert VM III/ 4 Series Axpert MKS III/4 Series Axpert MAX/ II Series InfiniSolar VIII/4 Series	✓	✓	✓	✓	✓
GREENHEISS 	GH-IH 3/4/5/6 2M STYLE GH-IH 3/4/5/6 2M-15 STYLE	✓	✓	✓	✓	✓
SAJ 	H1-(3-6)K-S2 H1-(3-6)K-S2-15	✓	✓	✓	✓	✓
TBB 	RiiO Sun II Series Tyrann/Kinergier pro II Series Matrix II series	✓	✓	✓	✓	✓
Sinexcel 	Isuna 3000S-6000S Isuna 3000SO-12000SO	✓	✓	✓	✓	✓
SRNE 	HFP4850S80-H/ASP48100S200-H HESP4860S100-H HESP48100S200-H HESP48120S200-H	✓	✓	✓	✓	✓
OPTI 	SP6000 ~ 11000 Handy Ultra SP4000 ~ 6000 Handy Plus	✓	✓	✓	✓	✓
Turbo Energy 	Hybrid Series 48V 5.0/6.0 Three phase Hybrid Series 48V 5.0/10.0	✓	✓	✓	✓	✓











*The communication protocols of SunESS Series /Atrix Series/MonaWall SE5 Series/Atrix basic Series are the same.

HV Residential Energy Storage Solution







Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES	
		SunESS-H/SunESS-H2 	
Solis 	S6-EH3P(5-10)K-H-EU	✓ (CEI 0-21 listing)	
	S6-EH3P(12-20)K-H	✓	
Deye 	SUN-5/6/8/10/12/15/20K/25K-SG01HP3-EU-AM2	✓	
	SUN-30K-SG01HP3-US-BM	✓	
	SUN-29.9/30/35/40/50K-SG01HP3-EU-BM	✓	
	SUN-60K-SG01HP3-US-BM	✓	
SOLINTEG 	MHS-3-8K-30	✓	
	MHT-4-12K-25	✓	
	MHT-10-20K-40	✓	
YINERGY 	HI-3P(5-12)K-H	✓	
Hoy miles 	HYT-(5.0-12.0)HV-EUG1	✓	
	HYT-(5.0-12.0)HV-AUG1	✓	
	HAT-(5.0-10.0)HV-EUG1	✓	
Sinexcel 	Isuna 5000-20000T	✓	
	Isuna D5000-12K-SH	✓	
	Isuna D5000-12K-TH	✓	
Afore 	AF(3K-30K)TH	✓	
Luxpower LU 	TriP 6-20K	✓	

* The communication protocols of SunESS-H Series /SunESS-H2 Series are the same.

C&I Energy Storage Solution

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES	
		CIESS Series 	CIESS-R/CIESS-R-S Series 
SMA 	Sunny Island X 30/50	✓	✓
Solis 	S6-EH3P(29.9-50)K-H	✓	✓
	SUN-5/6/8/10/12/15/20K/25K-SG01HP3-EU-AM2	✓	✓
Deye 	SUN-29.9/30/35/40/50K-SG01HP3-EU-BM	✓ (CEI 0-21 listing)	✓ (CEI 0-21 listing)
	SUN-5/6/8/10/12/15/20K/25K-SG01HP3-EU-AM2	✓	✓
SOLINTEG 	MHT-10K/12K/15K/20K-40	✓	✓
	MHT-25K/30K/36K/40K/50K-100	✓	✓
Afore 	AF(3K-30K)TH	✓	✓
Sofar 	HYD-20KTL-3PH	✓	✓
Sinexcel 	Isuna 20000T/PWS2-30P-CN	✓	✓
Turbo Energy 	Hybrid Series HV 30.0/50.0	✓	✓

*The communication protocols of CIESS Series /CIESS-R/CIESS-R-S Series are the same.

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES	
		OASIS L215 	
SMA 	Sunny Island X 30/50	✓	
KACO 	92.0 TL3-S	✓	
ATESS 	PCS100/PCS250/PCS500/PCS630/PCS1000 HPS100/150-HV	✓	
GROWATT 	WIT 100K-HU	✓	
Sinexcel 	PWS1-500KTL-EX	✓	