

IN THE PAST 27 YEARS

we have been everywhere in your daily life

Energy storage system and solution

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

Electric vehicle battery

Since 2012, Sunwoda Group has focused on EV batteries.

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.

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 27 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



27 years

Focus on new energy
industry for 27 years



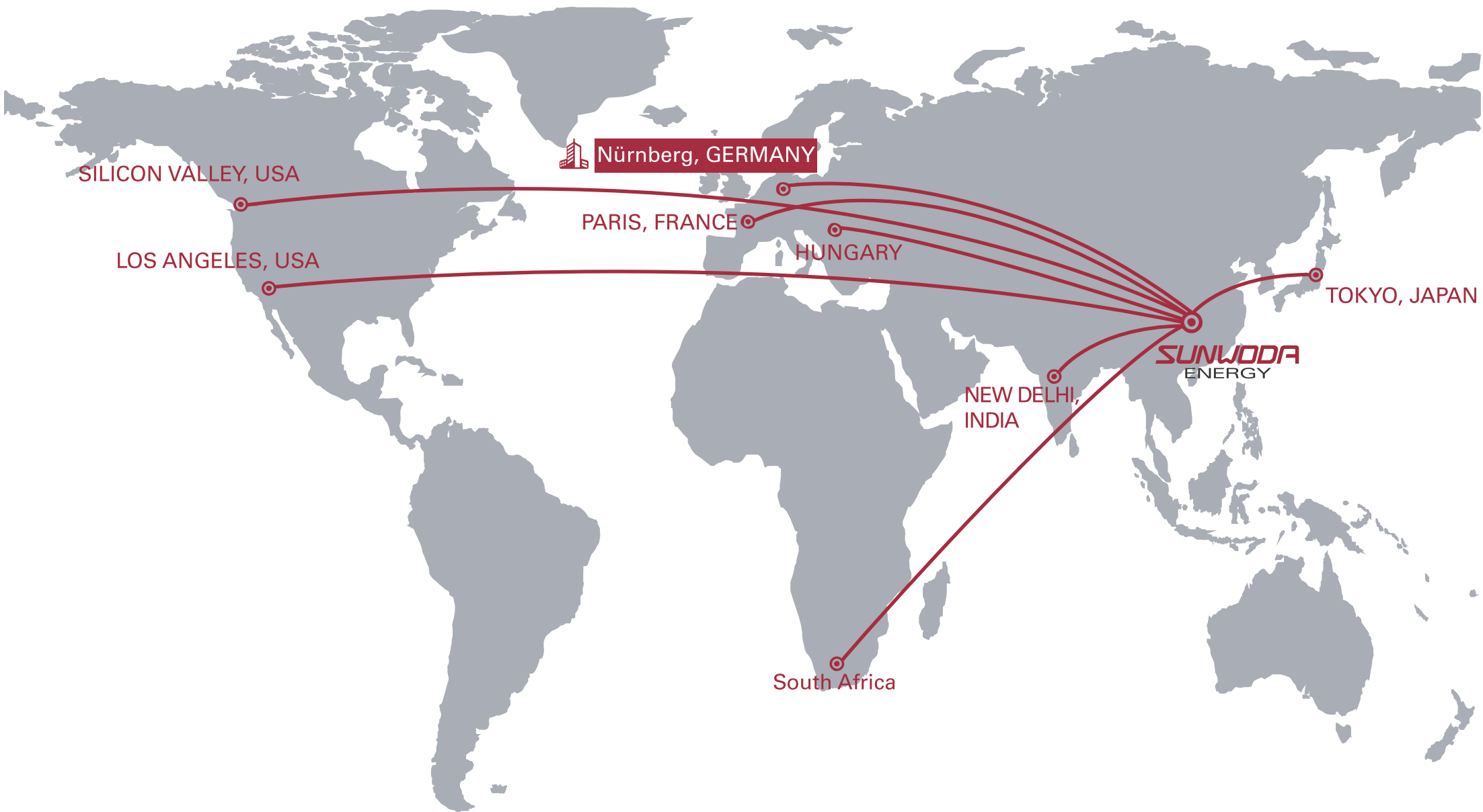
246GWh

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 basic

Sunwoda Atrix basic adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 120 kWh of 24 battery modules.



Atrix basic

Model	Atrix basic-5	Atrix basic-10	Atrix basic-15	Atrix basic-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (90% DOD)	4.5kWh	9kWh	13.5kWh	18kWh
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
Roundtrip efficiency	>98%	>98%	>98%	>98%
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			
Scalability	Max. 24 in parallel, Max. 120 kWh			

Operating conditions	
Operating temperature	32°F to 122°F (0°C to 50°C)
Dimensions (W*H*D, mm)	482*135*433/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Warranty	10 years*
Certifications	IEC62619/CE/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. * Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	



Flexible application

- Optimized for stack and build-in cabinet installation



Easy to install

- Lug connection
- Compact and light, 2 persons installation

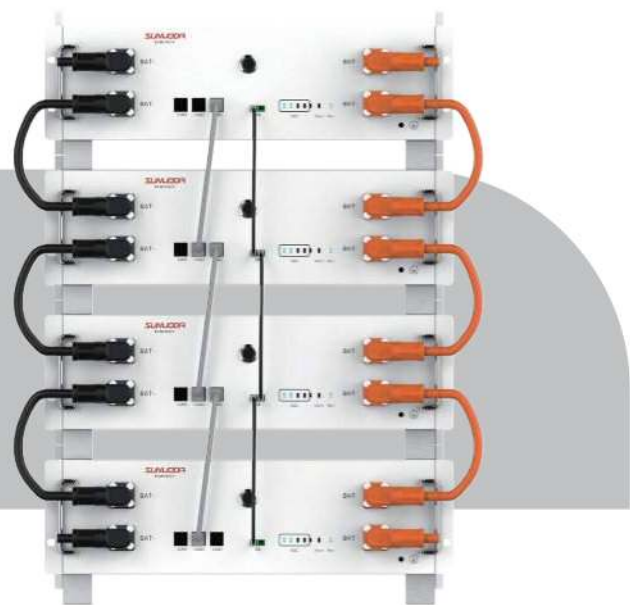


Battery APP (Optional)

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

Atrix

Sunwoda Atrix series adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 120 kWh of 24 battery modules.



Flexible application

- Optimized for stack 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)	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
Roundtrip efficiency	> 98%	> 98%	> 98%	> 98%
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			
Scalability	Max. 24 in parallel, Max. 120 kWh			

Operating conditions	
Installation location	Indoor
Operating temperature	14°F to 122°F (-10°C to 50°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Humidity	10% to 90%, non-condensation
Dimensions (W*H*D, mm)	482*135*433/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Altitude	<2000m
Cooling	Natural convection
Warranty	10 years*
Certificates	IEC62619/CE/CEI 0-21/UL1973/FCC/UL9540A/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.	
* Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	



Atrix Smart



Modular design, wall mounted installation



Plug and play, save time and effort, cost-effective



Support 100%DOD, low temperature operation (-10°C)



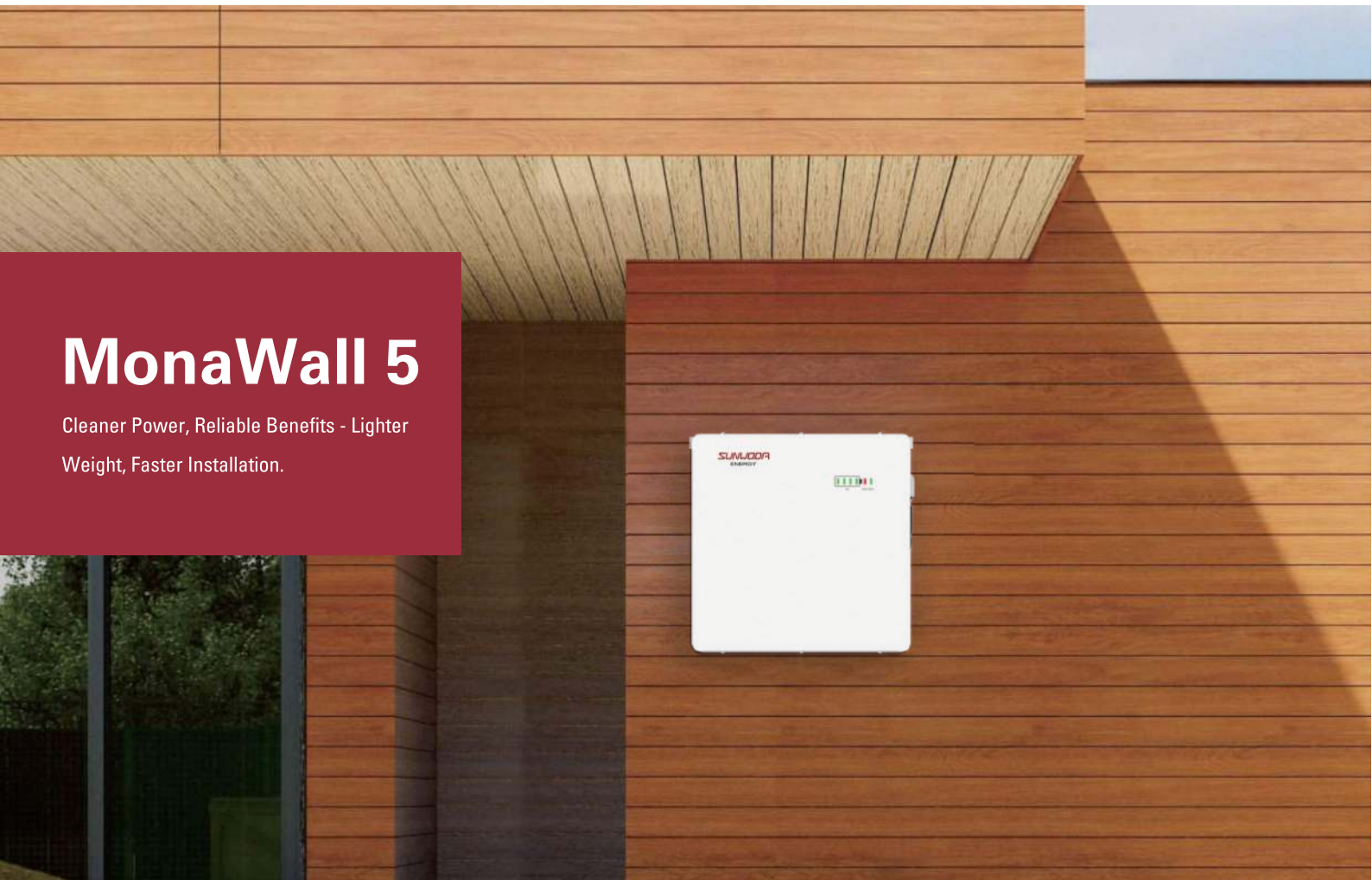
Real time data acquisition, real-time monitoring, support remote operation and upgrade (optional)

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)	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
Roundtrip efficiency	>98%	>98%	>98%	>98%
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			

Operating conditions	
Operating temperature	Discharging:14°F to 122°F (-10°C to 50°C),Charging:32°F to 122°F (0°C to 50°C)
Dimensions (W*H*D, mm)	482*135*433(Single battery pack)
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Warranty	10 years
Certifications	IEC62619/CE/UN38.3





MonaWall 5

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



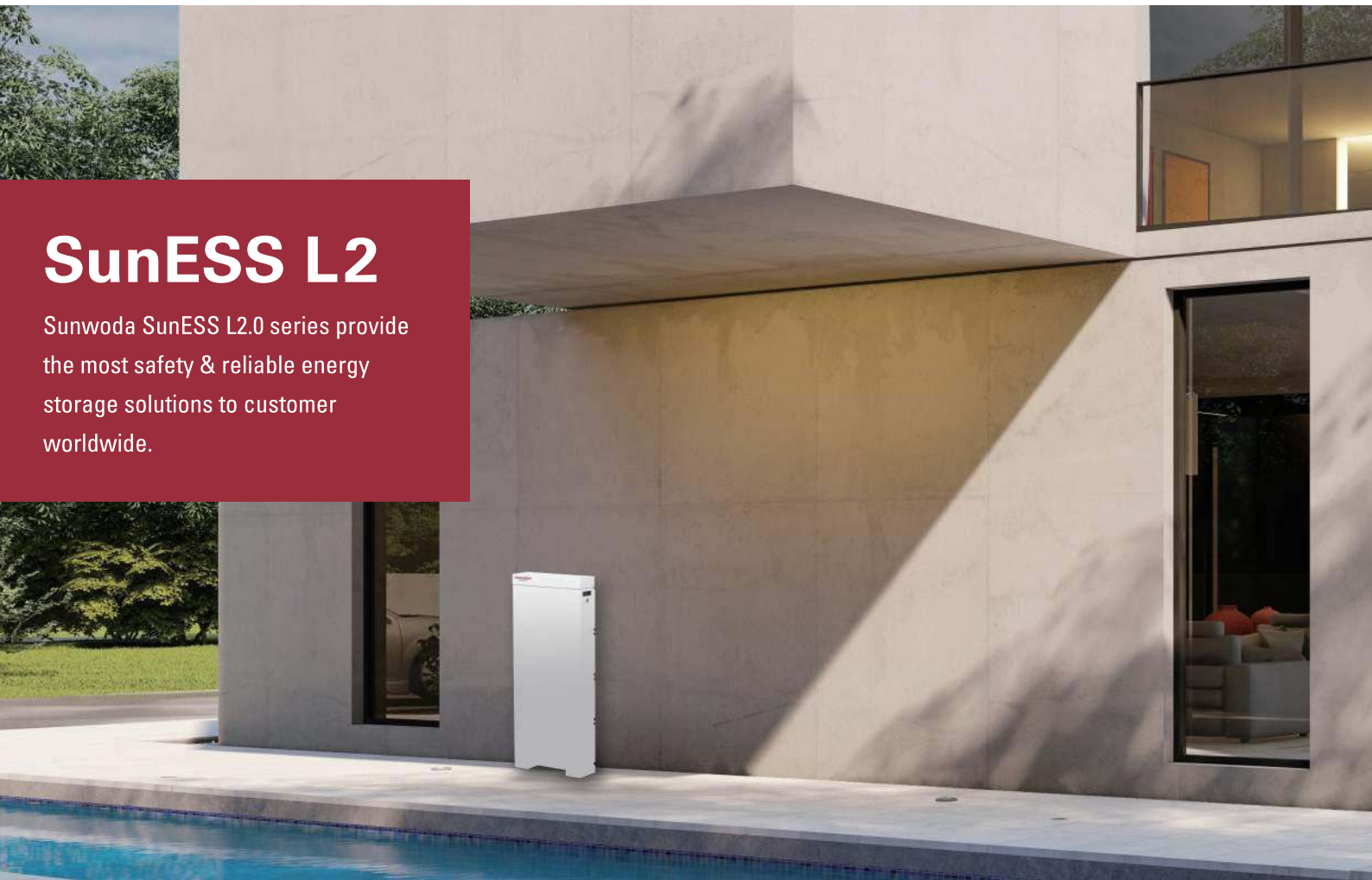
Battery APP

- Real time monitoring
- Remote maintenance and upgrades

MonaWall 5

Model	MonaWall 5
Nominal energy	5kWh
Usable energy (100%DOD)	5kWh
Rated voltage	51.2V
Charge/discharge cut off voltage	44.8V~55.2V
Roundtrip efficiency	> 98%
Rated charge/discharge current	50A/50A
Max. charge/discharge current	100A/100A
Communication interface	CAN 2.0
Scalability	Max. 8 in parallel, Max. 40kWh

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	14°F to 122°F (-10°C to 50°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Humidity	10% to 90%, non-condensation
Dimensions (W*H*D, mm)	544*524*162
Weight	55kg
Enclosure protection rating	IP65
Altitude	< 2000m
Cooling	Natural convection
Warranty	10 years*
Certifications	IEC62619/CE/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.	
* Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	



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
- 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 L2

Model	SunESS L2-5	SunESS L2-10	SunESS L2-15	SunESS L2-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100% DOD)	5kWh	10kWh	15kWh	20kWh
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Rated voltage	51.2V			
Communication interface	CAN 2.0/RS485			
DC disconnect	Circuit breaker, 250A, 80V rating			
Roundtrip efficiency	> 98%			
Scalability	Max. 3 in parallel, Max. 60kWh			

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	14°F to 122°F (-10°C to 50°C)
Dimensions (W*H*D, mm)	573*(597/912/1227/1542)*189
Weight	65kg, 115kg, 165kg, 215kg
Enclosure protection rating	IP65
Altitude	< 2000m
Cooling	Natural convection
Warranty	10 years*
Certifications	IEC62619/CE/CEI 0-21/UL1973/FCC/UL9540/UL9540A/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.	
* Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	





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), mixed use of old and new, upgrade at any time
-  Compatible with market-leading hybrid inverter (≥ 10 brands)
-  Safe and long-life LiFePO4 (LFP) technology (Sunwoda Inside)
-  Optimized for both grid-tied and off grid application

SunESS - H

Model	SunESS 5H	SunESS 10H	SunESS 15H	SunESS 20H
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (90% DOD)	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	400V	400V	400V	400V
Charge/discharge cut off voltage	350V~450V	350V~450V	350V~450V	350V~450V
Rated charge/discharge power	2.5kW	5kW	7.5kW	10kW
Communication interface	CAN 2.0/RS485/WiFi/LAN			
DC disconnect	Circuit breaker, 50A, 1000V rating			
Scalability	Max. 3 in parallel, Max. 60 kWh			

Operating conditions	
Installation location	Outdoor or indoor
Operating temperature	14°F to 122°F (-10°C to 50°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Humidity	10% 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	Air cooling
Warranty	10 years*
Certifications	IEC62619/CE/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C.	
* Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	





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 diesel generator+ heat Pump (optional)

Battery performance parameters						
Battery Type	LiFePO4					
Battery capacity	10kWh	15kWh	20kWh	20kWh	25kWh	30kWh
Usable Capacity	9kWh	13.5kWh	18kWh	18kWh	22.5kWh	27kWh
Battery module voltage range	350~450V					
Max. charge and discharge power	5kW	7.5kW	8kW	10kW	12kW	15kW
General parameters						
Dimensions (W/H/D) mm	650x1190x250	650x1505x250	650x1820x250	650x1820x250	650x1505x250 650x910x190	650x1505x250 650x1225x190
Storage temperature	-30~+60℃					
Operating temperature	-10~+50℃					
Relative humidity	10%~95%					
Altitude	<4000m(>3000m derating)					
Cooling method	Air cooling					
Ingress protection	IP65					
Noise	<47dB					
Installation method	Stacked/Leaning against the wall					
Number of battery modules	2	3	4	4	3+2	3+3
Rated battery capacity	10kWh	15kWh	20kWh	20kWh	25kWh	30kWh
Max. charge and discharge power	5kW	7.5kW	10kW	10kW	12.5kW	15kW
Peak charge and discharge power (10s)	7kW	10.5kW	14kW	14kW	17.5kW	21kW
Total weight	150kg	202kg	254kg	254kg	202kg+119kg	202kg+171kg
Overall width	650mm					
Total depth	250mm					

SunESS Power All-in-One

PV Input Parameters	SW5KH3UT	SW6KH3UT	SW8KH3UT	SW10KH3UT	SW12KH3UT	SW15KH3UT
Max. input power (W)	8000	9000	12000	15000	22500	22500
Max. input voltage (V)	1000					
MPPT voltage range (V)	180~850					
Start-up voltage (V)	180V					
Max. input current per MPPT (A)	A: 15	A: 15	A: 15 / B: 30	A: 15 / B: 30	A: 15 / B: 30	A: 15 / B: 30
Max. short-circuit current per MPPT (A)	A: 19	A: 19	A: 19 / B: 38	A: 19 / B: 38	A: 19 / B: 38	A: 19 / B: 38
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 (kwh)	5~40					
Rated battery voltage (V)	400					
Battery voltage range (V)	350~450					
Max. continuous charging current (A)	23			46		
Max. continuous discharge current (A)	23			46		
Max. discharge power (W)	5000	6000	8000	10000	12000	15000
Max. charging power (W)	5000	6000	8000	10000	12000	15000
Output parameters(On-grid)						
Rated output power (W)	5000	6000	8000	10000	12000	15000
Max. output apparent power (VA)	5500	6600	8800	11000	13200	16500
Max. input apparent power (VA)	8000	9000	12000	15000	18000	22500
Rated output voltage (V)	230/400 3W/N/PE					
Rated output frequency (Hz)	50					
Max. output current (A)	8.4	10	13.4	16.7	20	25
Max. input current (A)	12.2	13.7	18.2	22.8	27.4	34.2
Power factor	0.8 leading to 0.8 lagging					
THDi	<3%					
Output parameters(Off-grid)						
Off-grid rated apparent power (VA)	5000	6000	8000	10000	12000	15000
Max. output apparent power (VA)	5500	6600	8800	11000	13200	16500
Max. output current (A)	7.6	10	13.4	16.7	20	25
Rated output voltage (V)	230/400 3W/N/PE					
Rated output frequency (Hz)	50					
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						
Operating temperature range (°C)	-30~60 °C					
Relative humidity	0~95%					
Max. operating altitude (m)	<4000m(>3000m derating)					
Cooling method	Air Cooling (≤47dB)					
Display	LED&APP					
BMS communication method	CAN					
Meter communication method	RS485					
Monitoring method	4G/Wifi					
Weight (kg)	41					
Dimensions (W/H/D)mm	650×480×250					
Topology	Transformerless					
Degree of protection	IP65					
Model classification	All in One Unit					
Installation method	Stacked/Stacked in one piece					

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	224~284V	268.8~340.8V	313.6~397.6V	358.4~454.4V	403.2~511.2V	448~568V	492.8~624.8V	537.6~681.6V
Rated energy	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh
Usable energy (90%DOD)	22.5kWh	27kWh	31.5kWh	36kWh	40.5kWh	45kWh	49.5kWh	54kWh
Max.charging/ discharging current	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A
Weight	248kg	294kg	340kg	386kg	432kg	478kg	524kg	570kg
Dimension (W*D*H, mm)	440*410*1026	440*410*1197	1080*410*684	1080*410*855	1080*410*855	1080*410*1026	1080*410*1026	1080*410*1197
Cycle life 6000times（25℃，0.5C/0.5C, 90%DOD, EOL70%）								
Communication				CAN/RS485/WiFi/ETH				
Expansion				Support in parallel up to 3 clusters				
Enclosure protection rating					IP20			
Cooling				Natural cooling				
Ambient temperature		Charge: 0-50℃						
		Discharge: -20-55℃						
Humidity				10%~95%RH				
Altitude				< 2000m				
Short circuit protection					Yes			
Over current protection					Yes			
Over charge protection					Yes			
Over voltage protection					Yes			
Over discharge protection					Yes			
Under voltage protection					Yes			
Over temperature protection					Yes			
Certifications				UN38.3/CE/IEC62619				
Module Parameter								
Module Model				B051100S02				
Module Rated voltage				51.2V				
Module Energy				5kWh				
Module Dimension (W*D*H)				443*410*135mm				
Module Weight				45kg				
Warranty				5 years*				
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25℃.								
* Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃.								

Oasis 60



Plug-and-Play Installation (Pre-Wired), Convenient Expansion from 60kWh to 180kWh; IP55 Rated.



An All-in-One Outdoor Battery with Air Cooling for Ultimate Convenience.



Equipped with Fire Suppression System, Heat and 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. charge current	100A
Max. discharge current	100A
Rated energy	60kWh
Weight	880kg
Dimensions	715*750*2140mm (L * W * H)
Expansion	Supports up to 3 battery cabinets in parallel
Protection level	IP55
Temperature control method	air-conditioning
Charging ambient temperature	0~50°C
Discharging 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*
Max. working altitude	2000m
Cycle life	6000times (25°C, 0.5C/0.5C, 90%DOD)
Basic protection functions	Charge overvoltage, discharge under voltage, overcurrent, over temperature, short circuit protection, etc.
Accreditation	IEC62619/CE/UN38.3
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. * Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.	



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	NoahX-L215
Rated energy	215kWh
No.of modules	5
Rated voltage	768V
Voltage range	672-864V
Rated C-rate	0.5CP
Max. C-rate	1CP
Working temperature	-30℃~55℃
Storage temperature	-40℃~60℃
Working relative humidity	0~100% (no condensation)
Altitude	2000m
Cooling method	Liquid cooling (water and glycol mix)
Fire suppression system	Pack level clean gas 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	2385kg
Accreditation	UN38.3/IEC62619/IEC 61000-6-2/IEC61000-6-4/GB36276



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	NoahX-L344
Rated energy	344kWh
No.of modules	8
Rated voltage	1228.8V
Voltage range	1075.2V~1382.4V
Rated C-rate	0.5CP
Max. C-rate	1CP
Working temperature	-30℃~55℃
Storage temperature	-40℃~60℃
Working relative humidity	0~100% (no condensation)
Altitude	2000m
Cooling method	Liquid cooling (water and glycol mix)
Fire suppression system	Pack level clean gas 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	3330kg
Accreditation	UN38.3/IEC62619/IEC 61000-6-2/IEC61000-6-4/GB36276



Oasis Power



-  Modularized design, support optional PV 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.
-  Integrated EMS function, support various EMS energy management strategies, can participate in the power market auxiliary services.

Oasis Power

Inverter cabinet parameters								
Product Model	OSP-100K-A	OSP-100K-B	OSP-100K-H	OSP-200K-A	OSP-200K-B	OSP-200K-H	OSP-300K-A	OSP-400K-A
Batteries								
Operating voltage range				650~950V				
Full load voltage range				680~950V				
Battery branch	1			2		1	3	4
Photovoltaic input								
Max. photovoltaic power	/	100kW	/		200kW	/		
Operating voltage range	/	180~650V	/		180~650V	/		
Max. current per MPPT	/	100A	/		100A	/		
AC (grid-connected)								
Max. power (kVA)	110			220		330		440
Normal power (kW)	100			200		300		400
Normal voltage (V)	230/400			230/400		230/400		230/400
Max.current (A)	167			167*2		167*3		167*4
Nominal frequency				50/60Hz				
Nominal frequency range				45-55/55-65Hz				
THDI				≤3%				
Power Factor				1 (Leading)~1 (Laging)				
AC mode				3W+N+PE				
AC (off-grid)								
Maximum Power	/	110kVA	/	220kVA	/			
Normal Power	/	100kW	/	200kW	/			
Normal Voltage	/	230/400V	/	230/400V	/			
Nominal Current	/	167A	/	167*2A	/			
Nominal Frequency	/	50/60Hz	/	50/60Hz	/			
THDU	/	< 3% (Linear load)	/	< 3% (Linear load)	/			
Power Factor	/	1 (Leading)~1 (Laging)	/	1 (Leading)~1 (Laging)	/			
Overload Capacity	/	110% Long-time	/	110% Long-time	/			
System Parameter								
On/Off Grid Switching Time	/	≤20ms	/	≤20ms	/			
EMS				Integrated				
Operating Temperature Range				-25~+55℃(45℃ start to derate)				
Operating Humidity Range				5~95%RH, non-condensing				
Max. Operating Altitude				2000m				
Cooling Mode				Intelligent Air-Cooling				
Protection Level				IP55				
Weight	535kg	785kg	890kg	585kg	835kg	980kg	850kg	900kg
Dimensions (W *D* H)mm	750*1200*2060	1200*1200*2380		750*1200*2060	1200*1200*2380			
Accreditation		EN50549-1/EN 62477-1/EN 61000-6-2/EN 61000-6-4/GB T 34120-2017						

Approved Compatibility List of Inverter Brands

LV Residential Energy Storage Solution

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES				
		SunESS Series	Atrix Series			
		SunESS L2-5/10/15/20	Atrix-5/10/15/20	MonaWall 5	Atrix basic	Atrix Smart
						
SMA	 SI 4.4-M SI 6.0-H SI 8.0-H	✓	✓	✓	✓	✓
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-3.6/5/6/7.6/8K-SG01LP1-EU SUN-3.6/5/6K-SG03LP1-EU SUN-5/6/8/10/12K-SG04LP3-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 AF3/3.6/4/4.6/5/5.6K-SL	✓	✓	✓	✓	✓
invtr	 XD3K6/4K/4K6/5K/6KTL	✓	✓	✓	✓	✓
Luxpower	 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/6KL1	✓	✓	✓	✓	✓
	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	✓	✓	✓	✓	✓

*The communication protocols of SunESS Series /Atrix Series/MonaWall 5 Series/Atrix basic Series are the same.

HV Residential Energy Storage Solution

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES	
		SunESS-5/10/15/20H	
			
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	✓	

C&I Energy Storage Solution

Inverter brand	Inverter model	SUNWODA ENERGY BATTERY SERIES	
		CIESS Series	CIESS-R/CIESS-R-S Series
			
Deye	 SUN-5/6/8/10/12/15/20K/25K-SG01HP3-EU-AM2 SUN-29.9/30/35/40/50K-SG01HP3-EU-BM	✓	✓
SOLINTEG	 MHT-10K/12K/15K/20K-40 MHT-25K/30K/36K/40K/50K-100	✓	✓
Solis	 S6-EH3P(29.9-50)K-H	✓	✓
Afore	 AF(3K-30K)TH	✓	✓

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