



**SUNWODA**  
ENERGY



[www.amonraenergy.eu](http://www.amonraenergy.eu)



0700 16 886

# SUNWODA ENERGY

## Atrix Basic-5

### Nominal energy

5kWh

### Rated voltage

51.2V

### Roundtrip efficiency

>98%

### Max. charge/discharge current

100A/100A

### Scalability

Max. 24 in parallel, Max. 120 kWh

### Dimensions (W\*H\*D, mm)

482\*135\*433/PACK

### Enclosure protection rating

IP20

### Usable energy (90% DOD)

4.5kWh

### Charge/discharge cut off voltage

44.8V~55.2V

### Rated charge/discharge current

50A/50A

### Communication interface

CAN 2.0/RS485

### Operating temperature

32°F to 122°F(0°C to 50°C)

### Weight

45kg/90kg/135kg/180kg

### Warranty

10 years



# SUNWODA ENERGY

## Atrix Basic-10

### Nominal energy

10kWh

### Rated voltage

51.2V

### Roundtrip efficiency

>98%

### Max. charge/discharge current

180A/180A

### Scalability

Max. 24 in parallel, Max. 120 kWh

### Dimensions (W\*H\*D, mm)

482\*135\*433/PACK

### Enclosure protection rating

IP20

### Usable energy (90% DOD)

9kWh

### Charge/discharge cut off voltage

44.8V~55.2V

### Rated charge/discharge current

100A/100A

### Communication interface

CAN 2.0/RS485

### Operating temperature

32°F to 122°F(0°C to 50°C)

### Weight

45kg/90kg/135kg/180kg

### Warranty

10 years





# SUNWODA ENERGY

## Atrix Basic-15

### Nominal energy

15kWh

### Rated voltage

51.2V

### Roundtrip efficiency

>98%

### Max. charge/discharge current

200A/200A

### Scalability

Max. 24 in parallel, Max. 120 kWh

### Dimensions (W\*H\*D, mm)

482\*135\*433/PACK

### Enclosure protection rating

IP20

### Usable energy (90% DOD)

13.5kWh

### Charge/discharge cut off voltage

44.8V~55.2V

### Rated charge/discharge current

150A/150A

### Communication interface

CAN 2.0/RS485

### Operating temperature

32°F to 122°F(0°C to 50°C)

### Weight

45kg/90kg/135kg/180kg

### Warranty

10 years



# SUNWODA ENERGY

## Atrix Basic-20

### Nominal energy

20kWh

### Rated voltage

51.2V

### Roundtrip efficiency

>98%

### Max. charge/discharge current

200A/200A

### Scalability

Max. 24 in parallel, Max. 120 kWh

### Dimensions (W\*H\*D, mm)

482\*135\*433/PACK

### Enclosure protection rating

IP20

### Usable energy (90% DOD)

18kWh

### Charge/discharge cut off voltage

44.8V~55.2V

### Rated charge/discharge current

200A/200A

### Communication interface

CAN 2.0/RS485

### Operating temperature

32°F to 122°F(0°C to 50°C)

### Weight

45kg/90kg/135kg/180kg

### Warranty

10 years



Understand its internal structure in detail

## Modular Lithium-ion Battery Sunwoda Atrix Series

### Atrix series

#### Cell type

LFP

#### Rated voltage

51.2V

#### Capacity

5-20kWh

#### Quality guarantee

10years

#### Cooling method

Natural cooling

#### Operating temperature range

-10~50°C

#### Protection degree

IP20

#### Dimension (W\*H\*D, mm)

482\*135\*433/Pack

#### Weight

45/90/135/180kg

#### Certificate

IEC62619/CE/CEI0-21/UL1973/FCC/UL9540A/UN38.3





Understand its internal structure in detail

## Wall Mounted Battery Sunwoda MonaWall 5

### 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



## Residential Energy Storage System SunESS Series

-  Stackable module design, easily extend  
5kWh per module, scalable from 5 to 60kWh
-  Without wire connection  
Compact and Light, 2 persons installation
-  100% DOD, Operate at -10°C without any  
limitation and attenuation (optional)
-  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)	5kWh	10kWh	15kWh	20kWh
Max. charge/discharge current	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 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	IP55			
Altitude	<2000m			
Cooling	Natural convection			
Warranty	10 years			
Certifications	IEC62619/CE/CEI 0-21/UL1973/FCC/UL9540/UL9540A/UN38.3			

## Residential Energy Storage System SunESS Series



## SunESS - H

Model	SunESS 5H	SunESS 10H	SunESS 15H	SunESS 20H
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (100%DOD)	5kWh	10kWh	15kWh	20kWh
Rated voltage	409.6V	409.6V	409.6V	409.6V
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 temperature	14°F to 122°F (-10°C to 50°C)			
Dimensions (W*H*D, mm)	633*(597/912/1227/1542)*189			
Weight	67kg/119kg/171kg/223kg			
Enclosure protection rating	IP55			
Warranty	10 years			
Certifications	IEC62619/CE/UN38.3			

## Residential Energy Storage System SunESS-H Series



## SunESS Power

## All-in-One Residential ESS SunESS Power

### Cell type

LFP

### Dimensions (W/H/D) mm

650x1190x250~650x1820x250

### Storage temperature

-30~+60°C

### Operating temperature

-10~+50°C

### Relative humidity

10%~95%

### Altitude

<4000m

### Cooling method

Air cooling

### Ingress protection

IP65

### Rated battery capacity

10~30kWh

### Max. charge and discharge power

5~15kW

### Total weight

146.7~366.8kg





SW5-8KWHDC-US

## Sun Hybrid Inverter SW5-8KWHDC-US

Max.DC power

7.5-12KW

MPPT voltage range/rated input voltage

100-500V

Number of independent MPPT inputs/strings per MPPT input

2-3

Max. AC apparent power

5.5-8.8KW

Max. efficiency

97.7%

Degree of protection inverter/battery section

IP65

Max.input voltage

600V

Min. input voltage/initial input voltage

100V

Rated power(at 230V)

5-8KW

Dimension (Nominal AC voltage range, mm)

120/240 AC

Dimensions(W/H/D)

620×412×215

Certificates

UL 1741/IEEE 1547/RULE21/FCC 15 class B/UL 1998/CSA22.2  
No. 107.1



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## C&I Energy Station

Model	3060	5060
Rated voltage	614.4V	
Voltage range	556.8~662.4V	
Rated energy	60kWh	
Max.PV input power	39kW	65kW
AC rated input/output power	30kVA	50kVA
Voltage	3L/N/PE; 230/400V	
Frequency	50/60Hz	
Dimension (W*H*D, mm)	1200*2160*750	
Weight	860kg	880kg
Warranty	10 years	
Expansion	Support in parallel up to 150kW/180kWh	
Enclosure protection rating	IP55	
Environment temperature	-30~50°C	
Certifications	UN38.3/CE/IEC62619/CEI 0-21/ VDE-AR-N 4105/IEC 62109	



-  Easy to install and deploy with large space utilization
-  Unique modular design & flexible function configuration
-  With self-use, peak shiting, forced charging & discharging and other working modes
-  Strong scalability, simple & convenient expansion on both AC and DC sides



## Single Cluster Solution

Rated energy	344kWh/301kWh/258kWh/215kWh/172kWh
No. of modules	8PCS/7PCS/6PCS/5PCS/4PCS
RTE@DC side (0.5CP)	> 93%
Rated voltage	1228.8V/1075.2V/921.6V/768V/614V
Voltage range	1075.2~1382.4/940.8~1209.6/ 806.4~1036.8/672~864/537.6~691.2
Rated C-rate	0.5CP
Max. C-rate	1CP
Working temperature	-30°C~55°C
Storage temperate	-40°C~60°C
Working relative humidity	0~100% (no condensation)
Altitude	≤3000m (derating above 3000m)
Cooling method	Liquid cooling (water and glycol mix)
Fire suppression system	Pack level clean gas agent fire suppression+ combustible gas detection and ventila-tion linkage+deflagration relief panel
Auxiliary power supply	220VAC/50HZ;110VAC/60HZ
Communication interface	CAN/RS485/Ethernet
Communication protocol	Modbus/IEC 61850
Standard @ compliance	NFPA68/69,NFPA855,GB36276,IEC62619, IEC62933,UN3536,UL9540A
Enclosure protection rating	IP55
Dimensions (W*H*D, mm)	1550*1100*2500
Weight	3330kg/3015Kg/2700kg/2385kg/2070kg

## NoahX Liquid Cooling Solution Outdoor Liquid Cooling Cabinet



-  Easily configurable and scalable
-  Long service life
-  High system safety
-  High energy density
-  Less LCOS within life span
-  Smart management
-  Shorter deployment time

