



# SunESS series

Sunwoda SunESS series brings storage solutions to European and American customers with safe performance and first-class quality.



## Flexible capacity options

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



## Easy to install

Stack and play,without wire connection  
Compact and Light, 1~2 persons installation

### Conventional

### SunESS series



## Excellent low temp. performance (Optional)

Operate at -10℃ without any  
limitation and attenuation



## Battery APP

Real time monitoring  
Remote maintenance and upgrades

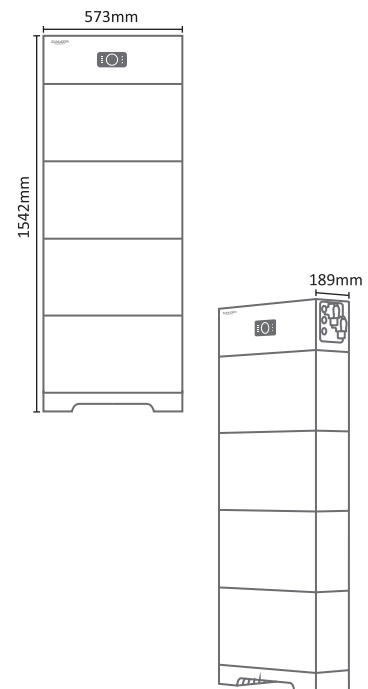


## Electrical characteristics

Model	SunESS-5	SunESS-10	SunESS-15	SunESS-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	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V
Roundtrip efficiency	>95%	>95%	>95%	>95%
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	50A/100A	100A/200A	150A/200A	200A/200A
Max. discharge power	4.64kW	9.28kW	9.28kW	9.28kW
Communication interface	CAN 2.0 / RS485			
DC disconnect	Circuit breaker, 250A, 48V rating			
Connection method	Quick plug and unplug terminals			
User interface	Display battery running status, SOC, alarm information, WIFI status, heater status, etc.			
Protection features	Charging overvoltage protection, discharge under-voltage protection, over current protection, over temperature protection ,short circuit protection, etc.			
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)
Operating temperature (Recommended)	59°F to 86°F (15°C to 30°C)
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Humidity	10% to 95%,non condensation
Dimensions (W*H*D, mm )	573*(597/912/1227/1542)*189
Weight	58kg,103kg,148kg,201kg
Enclosure rating	IP55
Altitude	<2000m
Cooling	Natural convection
Warranty	5years/10 years



## Certificates

Safety	UL1973/IEC62619
Transport	UN38.3