



# 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, scalable from 5 to 60kWh



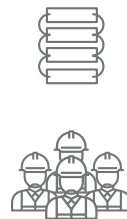
### Conventional

### SunESS series



## Easy to install

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



## Excellent low temp. performance (Optional)

Operate at -10°C without any limitation and attenuation



## Battery APP

Real time monitoring  
remote maintenance and upgrades

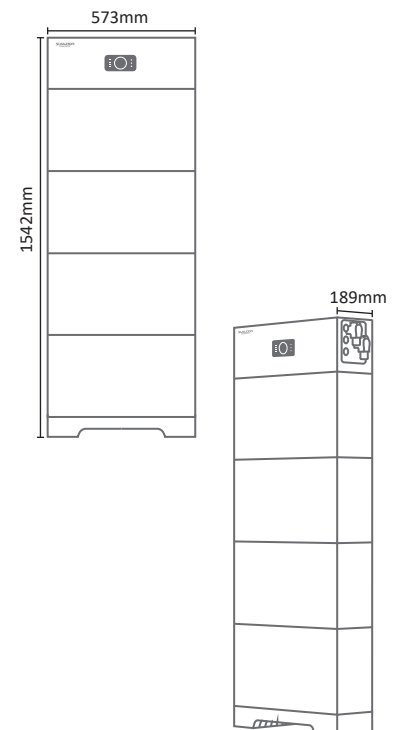


## Electrical characteristics

Model	SunESS-5	SunESS-10	SunESS-15	SunESS-20
Nominal energy (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	>95%	>95%	>95%	>95%
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			
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	65kg, 115kg, 165kg, 215kg
Enclosure rating	IP55
Altitude	<2000m
Cooling	Natural convection
Warranty	5years/10 years



## Certificates

Safety	IEC62619/CE/UL1973/FCC/UL9540/UL9540A
Transport	UN38.3