








## SunESS H2

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

### Features

-  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

## Specifications

Model	SunESS-5H2	SunESS-10H2	SunESS-15H2	SunESS-20H2
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy(90% DOD) <sup>1</sup>	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 <sup>2</sup>	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 <sup>3</sup>
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.

