



SunESS H

HV 5 - 60 kWh, IP55



High Voltage (~400V)
Enabled by built-in
DC - DC Boosters



Versatile Configuration
Mixed use of old and new
modules with peak output



6000 Life Cycles
Safe and long life
LFP technology

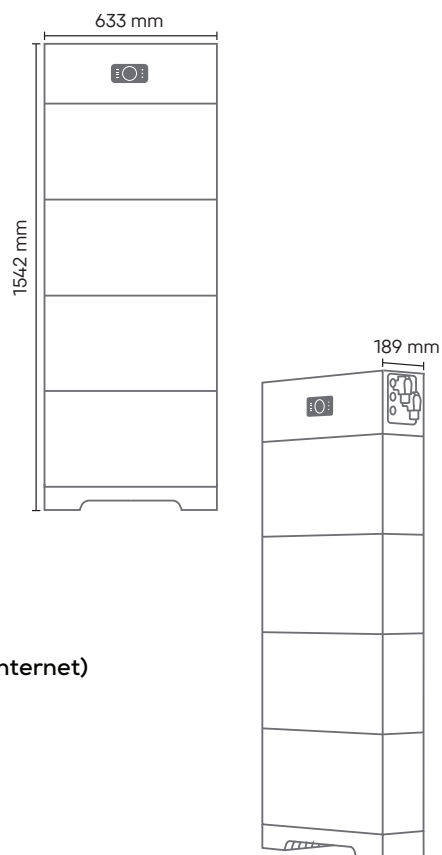


Electrical Characteristics

		SunESS 5H	SunESS 10H	SunESS 15H	SunESS 20H
MODEL	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
	Roundtrip Efficiency	>95%	>95%	>95%	>95%
	Rated Charge/Discharge Power	2.5kW	5kW	7.5kW	10kW
	Max. charge/Discharge Power	3.5kW@10s	7kW@10s	10.5kW@10s	14kW@10s
	Communication Interface	CAN 2.0/RS485/Wi-Fi/LAN			
	DC Disconnect	Circuit Breaker, 50A, 410V 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, Short Circuit Protection, High and Low Temperature Protection, DC Reverse Polarity 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 (WHD, mm)	633*(597/912/1227/1542)*189
Weight	65kg, 115kg, 165kg, 215kg
Enclosure Rating	IP55
Altitude	<2000m
Cooling	Natural Convection
Warranty	7 Years*
Inverter	Refer to Inverter Compatibility List by Luminey
Noise Emission	< 29dB



Certificates

Safety Certificates	IEC62619 / CE / UL1973
Transportation Certificates	UN38.3

*Warranty 6+1 years (+1 year battery is extended upon connection to the internet)

