

SunESS H Pro



-  High voltage (~530V) enabled by built-in DC-DC Optimizer.
-  Flexible capacity configuration (10-120kWh).
-  Module level energy optimization, mixed use of old and new.
-  Each battery module incorporates built-in Firefighting Aerosol for comprehensive safety coverage.
-  Safe and long-life LiFePO4 (LFP) technology, with 10000 cycles.

SunESS H Pro

Model	SunESS-10HP	SunESS-20HP	SunESS-30HP	SunESS-40HP	SunESS-50HP	SunESS-60HP
Nominal energy	10kWh	20kWh	30kWh	40kWh	50kWh	60kWh
Usable energy ¹	9.65kWh	19.3kWh	28.95kWh	38.6kWh	48.25kWh	57.9kWh
Rated voltage	530V	530V	530V	530V	530V	530V
Operating voltage range	450V~650V	450V~650V	450V~650V	450V~650V	450V~650V	450V~650V
Rated charge/discharge power ²	5.6kW	11.2kW	16.8kW	22.4kW	28kW	33.6kW
Peak output power	8.4kW/20S	16.8kW/20S	25.2kW/20S	33.6kW/20S	42kW/20S	50.4kW/20S
Communication interface	CAN/RS485					
DC disconnect	Circuit breaker,80 A, 1100V rating					
Scalability	Max. 2 in parallel, Max. 120 kWh					

Operating conditions	
Installation location	Outdoor or indoor
Ambient Temperature	- 20°C to 55°C
Humidity	5% to 95%, non-condensation
Dimensions (W*H*D)	740*(440/730/1020/1310/1600/1890)*370mm
Weight	98kg/186kg/274kg/362kg/450kg/538kg
Ingress Protection Rating	IP66
Altitude	<4000m
Firefighting Aerosol	Built-in
Cooling	Natural convection
Noise emission	< 30dB
Warranty	10 years ³
Cell Cycle life	10000(25°C,0.5C/0.5C, 100%DOD, EOL60%)
Certificates	CE/IEC62619/IEC60730/UN38.3/VDE2510-50
1.Test conditions: 100% 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.	