



HES series

Solar Storage Inverter

(For Residential)

HES4846S100-H

HES4855S100-H



Efficient

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

All-in-one

- Solar Charger Controller up to 100A charging current
- Support for Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- IP65 protection degree for outside installation

Safety

- 360 degrees of security from hardware to software
- EU and North American safety approvals

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

MODEL	HES4846S100-H	HES4855S100-H	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	4600W	5500W	
Max.Peak Power	9,200VA	11,000W	
Rated Output Voltage	230Vac (single-phase)		✓
Load Capacity of Motors	4HP		
Rated AC Frequency	50/60Hz		✓
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Lead-acid / Li-ion / User Defined		✓
Rated Battery Voltage	48V		
Voltage Range	40~58Vdc		✓
Max.MPPT Charging Current	100A		✓
Max.Mains/Generator Charging Current	60A		✓
Max.Hybrid Charging Current	100A		✓
PV INPUT			
Num. of MPPT Trackers	1		
Max.PV Array Power	5,100W	6,000W	
Max.Input Current	22A		
Max.Voltage of Open Circuit	500Vdc		
MPPT Voltage Range	120~450Vdc		
MAINS/GENERATOR INPUT			
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac		✓
Frequency Range	50/60Hz		
Bypass Overload Current	40A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
European Efficiency	90%		
GENERAL			
Dimensions	556*345*182mm		
Weight	19.2kg		
Protection Degree	IP65		
Operating Temperature Range	-25~55°C, >45°C derated		
Humidity	0~100%		
Cooling Method	Internal Fan		
Warranty	5 years		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		✓
External Modules (Optional)	Wi-Fi / GPRS		✓
CERTIFACATION			
Safety	IEC62109, CEI 0-21:2022, VDE0124, VDE4105		
EMC	EN61000,FCC part 15		
Rohs	Yes		