SRNE

HES series

Solar Storage Inverter

(For Residential)

HES4840S100–H   HES4860S100–H
HES4850S100–H

| 230V | 48V | 4-6kW | 500V | IP65 |

Efficient
- Advanced MPPT technologty 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

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SRNE

MODEL	HES4840S100–H	HES4850S100–H	HES4860S100–H	CAN BE SET
INVERTER OUTPUT				
Rated Output Power	4000W	5500W	6000W	
Max.Peak Power	8,000VA	11,000W	12,000W	
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	4,500W	6,000W	6,600W	
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℃,>45℃ 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			