



## SEH-4K-SP/4.6K-SP/ 5K-SP/5.5K-SP/6K-SP

### Solar storage inverter

#### Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 16A+16A PV input current

#### Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

#### All-in-one

- Up to 100A charging current
- Supports Li-ion battery BMS communication

#### Reliable

- Outputs high-quality pure sine wave AC power
- With IP65 protection degree

#### User-friendly

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

#### Intelligent

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

#### Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODELS	SEH-4K-SP	SEH-4.6K-SP	SEH-5K-SP SEH-5.5K-SP	SEH-6K-SP	Can Be Set
<b>OFF-GRID OUTPUT</b>					
Rated Output Power	4,000W	4,600W	5,500W	6,000W	
Max. Peak Power	8,000VA	9,200VA	11,000VA	12,000VA	
Rated Output Voltage	230Vac, single phase				✓
Load Capacity of Motors	3HP	4HP			
Output Frequency Range	50Hz ± 0.3Hz/60Hz ± 0.3Hz				✓
Switching Time	10ms (typical value)				
<b>ON-GRID OUTPUT</b>					
Rated Output Power	4,000W	4,600W	5,500W	6,000W	
Max. Apparent Power	8,000VA	9,200VA	11,000VA	12,000VA	
Rated Output Current	17.4A	20A	24A	26A	
Max. Output Current	19.1A	22A	26.4A	28.6A	
THDI	< 3%				
Power Factor	0.8 leading to 0.8 lagging				
Rated Voltage	230Vac, single phase				
Frequency	50Hz/60Hz				
<b>BATTERY</b>					
Battery Type	Lead-acid / Li-ion / User-defined				✓
Rated Battery Voltage	48V (minimum start-up voltage 44V)				
Battery Voltage Range	40 ~ 60Vdc				✓
Max. PV Charging Current	100A				✓
Max. Utility Charging Current	60A				✓
Max. Generator Charging Current	60A				✓
<b>PV INPUT</b>					
Num. of MPPT	2				
Max. Input Power	3,000W+3,000W	3,500W+3,500W	4,000W+4,000W	4,500W+4,500W	
Max. Input Current	16A+16A				
Max. Short-circuit Current	27A+27A				
Max. Open-circuit Voltage	500Vdc+500Vdc				
MPPT Operating Voltage Range	120~450Vdc				
<b>UTILITY / GENERATOR INPUT</b>					
Input Voltage Range	90 ~ 280Vac				✓
Input Frequency Range	50/60Hz				
Bypass Overload Current	40A				
<b>EFFICIENCY</b>					
MPPT Tracking Efficiency	99.9%				
Max. Efficiency	97.5%				
<b>GENERAL</b>					
Num. of Parallel	1~6 units				
Dimension	556*345*182mm				
Weight	20kg				
Protection Degree	IP65				
Operating Temperature Range	-25~60°C (>45°C derating)				
Humidity Range	0% ~ 100%				
Noise	<60dB				
Cooling Method	heatsink & intelligent air cooling				
Warranty	5 years				
<b>COMMUNICATION</b>					
Internal Interface	RS485 / CAN / USB / Dry contact				✓
External Module (optional)	Wi-Fi / GPRS				✓
<b>CERTIFICATION</b>					
Safety	IEC62109-1, IEC62109-2				
EMC	EN61000-6-1, EN61000-6-3, FCC15 classB				
RoHS	Yes				