

THSS-EU Series

- Hybrid Solar Inverter



Product Highlights:

- The battery's charge and discharge current can reach up to 190A
- Maximum input current increased to 30A
- The uninterruptible power supply can switch within 10 milliseconds
- Support parallel connection



7-8KW

Specification

Model	THSS-7KS48P	THSS-7KS48P	THSS-8KS48P
Battery Input			
Battery Type	Lithium or lead acid battery		
Rated Battery Voltage	48V		
Max. Charging Voltage	≤60 Configurable		
Max. Charge / Discharge Current	175A	190A	190A
PV Input			
Max. DC Input Power	14000W	15200W	16000W
Max. DC Input Voltage	500V		
MPPT Operating Voltage Range	150~450V		
Starting Voltage	125V		
Max. Input Current	30A/18A	30A/18A	30A/18A
MPPT Number	2	2	2
AC Output Parameters-On Grid			
Max. Output Apparent Power	7700VA	8360VA	8800VA
Rated Output Voltage	220/230V		
Rated Output Frequency	50/60Hz		
Max. Output Current	35A	38A	40A
Output Power Factor	~1 (-0.8 leading~+0.8 lagging)		
AC Output Parameters-Off Grid			
Rated Output Apparent Power	7000VA	7600VA	8000VA
Max. Output Apparent Power	>200%,15s'	>200%,15s'	>200%,15s'
Rated Output Voltage	220V/230V		
Rated Output Frequency	50/60Hz (±2%)		
Max. Output Current	35A	38A	40A
Efficiency			
Max. Efficiency PV	98.1%		
Max. Efficiency Cell	94.5%		
Europe Efficiency	97.5%		
Protection			
PV Input Reverse Polarity Protection	YES		
PV Insulation Resistance Detection	YES		
Residual Current Detection	YES		
Output Short Circuit Protection	YES		
Output Over Voltage Protection	YES		
Basic Data			
Operation Temperature	-40 ~ 60℃		
Storage Temperature	-30~65℃		
Relative Humidity	0~95%		
Working Altitude	≤4000m		
Cooling	Air Cooling		
Noise	<55dB		
Weight	21.5kg		
Size	198*428*554mm		
Protection Class	IP66		
Topology	HF isolation		