



THS-EU Series

- Hybrid Solar Inverter

Product Highlights:

- The battery's charge and discharge current can reach up to 120A
- Off-grid peak power up to 2 times the rated power (15 seconds)
- Transformerless, max efficiency is up to 97.6%
- The uninterruptible power supply can switch within 10 milliseconds
- Support parallel connection



3-6KW

Specification

Model	THS-3KS48P	THS-3K6S48P	THS-4KS48P	THS-4K6S48P	THS-5KS48P	THS-6KS48P
Battery Input						
Battery Type	Lithium or lead acid battery					
Rated Battery Voltage	48V					
Max. Charging Voltage	≤60 Configurable					
Max. Charge / Discharge Current	75A	90A	100A	110A	120A	120A
PV Input						
Max. DC Input Power	6000W	7200KW	8000W	9200W	10000W	12000W
Max. DC Input Voltage	500V					
MPPT Operating Voltage Range	150~450V					
Starting Voltage	125V					
Max. Input Current	18A	18/18A	18/18A	18/18A	18/18A	18/18A
MPPT Number	1	2	2	2	2	2
AC Output Parameters-On Grid						
Max. Output Apparent Power	3300VA	3960VA	4400VA	5000VA	5500VA	6000VA
Rated Output Voltage	230V					
Rated Output Frequency	50/60Hz					
Max. Output Current	15A	18A	20A	22A	25A	27A
Output Power Factor	~1 (-0.8 leadinn~ +0.8 lagging)					
AC Output Parameters-Off Grid						
Rated Output Apparent Power	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
Max. Output Apparent Power	>200%, 15Sec'					
Rated Output Voltage	230V (±2%)					
Rated Output Frequency	50/60Hz (±2%)					
Max. Output Current	14A	16A	18A	21A	23A	27A
Efficiency						
Max. Efficiency PV	97.6%					
Max. Efficiency Cell	94.5%					
Europe Efficiency	97%					
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	-25 ~ 60°C, >45°C Automatic derating					
Storage Temperature	-30~65°C					
Relative Humidity	0~95%					
Working Altitude	≤4000m, >2000mAutomatic derating					
Cooling	Air Cooling					
Noise	<55dB					
Weight	20kg					
Size	427*554*198mm					
Protection Class	IP66					
Topology	HF isolation					