

SMS II 3KW / 5KW Solar Inverter



- Pure sine wave solar inverter
- Output power factor 1
- Cold start function
- Wide PV input range, work without battery
- Selectable high power charging current
- Auto restart while AC is recovering
- Overload and short circuit protection
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Smart battery charge design for optimized battery performance
- Selectable AC input voltage range for home appliances and personal computers

MPPT Solar Inverter

Technical Parameter

MODEL		SMS II 3KW	SMS II 5KW
The rated power		3KW	5KW
PV INPUT(DC)			
Max.PV Array Power		4000W	
Nominal PV Voltage		240VDC	
PV Array MPPT Voltage Range		120~450VDC	
Max.PV Array Open Circuit Voltage		500VDC	
Max.Charging Current(AC+solar)		80Amp	
AC INPUT(AC)			
Nominal Input Voltage		230VAC ± 5%	
Low Loss Voltage		170VAC±7V(UPS);90VAC±7V(Appliances)	
Low Loss Return Voltage		180VAC±7V(UPS);100VAC±7V(Appliances)	
High Loss Voltage		280VAC±7V	
High Loss Return Voltage		270VAC±7V	
Max.AC Input Voltage		300VAC	
Nominal Input Frequency		50Hz/60Hz(Auto detection)	
Transfer Time		10ms typical(UPS);20ms typical(Appliances)	
BATTERY MODE OUTPUT(AC)			
Nominal Output Power		3KVA/3KW	5KVA/5KW
Surge Power		6000VA	10000VA
Nominal Output Voltage		230VAC±5%	
Output Waveform		Pure Sinewave	
Efficiency(DC to AC)(Peak)		93%	
UTILITY CHARGER			
Nominal DC Voltage		24VDC	48VDC
Maximum Charging Current		60Amp	
Bulk Charging Voltage		29.2VCD	58.4VCD
		28.2VCD	56.4VCD
Floating Charging Voltage		27VCD	54VCD
OverCharge Protection		33VCD	63VCD
PHYSICAL			
Dimension,DxWxH(mm)		481*313*117mm	
Net Weight(kgs)		9.8	10.5
Communication Port		RS-232/USB	
ENVIRONMENT			
Humidity		5~95% RH(Non condensing)	
Operating Temperature		-10 to 55℃	
Altitude		0~1000m	