

## SMS HYBRID INVERTER



### Typical Applications

- Residential Solar Power Systems - Ideal for homes to provide backup power during outages or energy-saving operations.
- Telecommunication Base Stations - Can be used to power remote telecom equipment, ensuring uninterrupted connectivity.
- Small Business Operations - Suitable for offices, shops, or small businesses needing reliable off-grid power solutions. Rural
- Electrification Projects - Perfect for areas without grid access, powering basic household and community needs. Emergency
- Power Backup Systems - Essential for hospitals, schools, or emergency centers to ensure critical power supply.

### Features

- Pure sine wave solar inverter
- Built-in 40A MPPT solar charger
- PV input voltage range 20-1 SOVDC (for 1000W), 30~150VDC (for 1500W)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Solar energy is provided directly to the load first

### Technical Data

MODEL	SMS-1000-12(1Kw-12V)	SMS-1500-24(1.5Kw-24V)
Rated Power	1000W/1000VA	1500W/1500VA
AC INPUT Voltage	230VAC	230VAC
Selectable Voltage Range	170~280VAC (PC)	170~280VAC (PC)
Frequency Range	50Hz/60Hz (Auto sensing)	
AC OUTPUT Voltage Regulation	230VAC ± 5%	230VAC ± 5%
Surge Power	2000VA	3000VA
Efficiency (Peak) PV to INV	98%	98%
Efficiency (Peak) Battery to INV	94%	94%
Transfer Time	10ms	10ms
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	600W	1200W

MPPT Range @ Operating Voltage	20~150VDC	30~150VDC
Maximum PV Array Open Circuit Voltage Solar	150VDC	150VDC
Maximum Solar Charging Current	40A	40A
Maximum AC Charging Current	40A	40A
Maximum Solar + AC Charging Current	80A	80A
Dimensions HWD (mm)	290*240*91	
Cartoon Dimensions HWD (mm)	340295145	340295145
Net Weight (kgs)	3.5	3.6
Gross Weight (kgs)	4	4.2
Humidity	5% to 95% Relative Humidity (Non-condensing)	5% to 95% RH (Non-condensing)
Operating Temperature	-10°C to 50°C	-10°C to 50°C