SATTE

PRODUCT DATASHEET

SML HYBRID INVERTER

Typical Applications

- Residential Solar Energy Systems - Ideal for powering home appliances with low transfer time and high efficiency (up to 98%).
- Commercial Solar Installations - Suitable for offices needing uninterrupted power with advanced MPPT solar charging technology.
- Remote Monitoring and Control - Useful in areas requiring Wi-Fi/GPRS connectivity for Android/iOS-based remote management.
- Harsh Environmental Conditions - Designed with an anti-dust kit for use in challenging industrial or agricultural environments.
- Lithium Battery-Compatible Projects - Compatible with lithium battery setups, ensuring optimal smart charging and extended battery life.

Features

- Pure sine wave solar inverter
- WIFI&GPRS available for 10S and Android
- Built-in BOA MPPT solar charger
- High PV input voltage range(30~400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Compatible with lithium battery
- Solar energy is provided directly to the load first

Technical Data

MODELS	SML 2000-12(2Kw-12V)	SML 3200 - 24 (3.5Kw-24v)
Rated Power	2000VA/1600W	2000VA/1600W
AC Input Voltage	230VAC	230VAC
Selectable Voltage Range (Home Appliances)	90-280VAC	90-280VAC
Frequency Range	50Hz/60Hz (Auto sense)	50Hz/60Hz
AC Output Voltage Regulation	230VAC ±5%	
Surge Power	4000VA	6400VA
Efficiency (Peak) PV to INV	98%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time (PCs)	10 ms	
Transfer Time (Home Appliances)	20 ms	
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC

MODELS	SML 2000-12(2Kw-12V)	SML 3200 -24(3.5Kw-24V)
Maximum PV Array Power	3000W	3000W
MPPT Range Operating Voltage	30~400VDC	
Maximum PV Array Open Circuit Voltage	400VDC	400VDC
Maximum Input Current	1/13A	
Maximum Solar Charging Current	80A	
Maximum AC Charging Current	60A	
Maximum Solar + AC Charging Current	80A	
Physical Dimension (H*W*D mm)	357*273*95	357*273*95
Gross Weight (kgs)	5.6	5.8
Communication Interface	RS232/GPRS/WIFI	
Environment Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	-10°C to 50°C