



# SUNSATHI

SOLAR *साथी* SERVICE का...



## Innovation for Nature



Central India's Leading Solar Inverter Manufacturer



Smart &  
Stylish



ECO  
Friendly



Durable &  
Sustainable



Long life  
Performance

#startupindia



## Company Overview

Founded in 2018, Sunseed is a leader in designing, manufacturing, and distributing high-quality solar products aimed at advancing green energy and promoting sustainability. Building on our success, we introduced **Sunsathi Solar - Sathi Service Ka**, our new venture dedicated to integrating renewable energy into Residential & Commercial sites.

At Sunsathi, we are committed to innovation and excellence in solar technology. With over 15+ years of experience in the solar power electronics industry, we specialize in developing cutting-edge inverters that offer reliable, efficient, and eco-friendly energy solutions. Our latest innovation redefines efficiency and reliability in the solar industry, leading the global transition towards a cleaner, greener future.



### Aim:

Our aim is to lead in inverter technology, shaping a sustainable future through innovation and reliability.

### Vision:

Empowering our customers to efficiently harness Solar Energy for a Sustainable Future.

### Mission:

Our mission is to promote renewable energy adoption by providing advanced solar inverter technologies that ensure maximum efficiency, reliability, and cost-effectiveness, while building consumer trust through innovative and effective solutions.

## Sunsathi Core Values



# Why Choose Us ?



Excellent Quality  
of Solar Inverter



Tested & Trusted  
Quality of Materials



Latest Advanced Technology with  
Heric & TNPC Topology



Own Designed  
Technology



Inhouse  
Production Unit



Technically  
Strong Team



Smooth Billing



Warranty and Service  
Assurance after Sales



Same Day  
Dispatch

## Products and Services:

**Solar Inverters :** Our product range includes On-grid inverter designed to meet residential, commercial, and industrial needs.

**Energy Management Solutions :** We offer integrated solutions for energy monitoring and optimizing the performance of solar installations

**Certifications and Compliance :** We adhere to stringent quality management systems and hold certifications that attest to our commitment to quality, safety, and environmental responsibility.

**Market Presence :** Sunsathi Solar Inverters are renowned for their efficiency and reliability, catering to both residential and commercial markets. Our advanced technology and strong customer support make Sunsathi as a trusted Brand in sustainable energy.

**Technical Support and Training :** Committed to customer satisfaction, we provide comprehensive technical support and training programs to ensure seamless integration and operation of our Inverter.

## Sunsathi Solar

## 3 Level Service Support

LEVEL



Generate service complaints on our hotline number, **+91-8484838985** or [www.sunsathisolar.com](http://www.sunsathisolar.com)  
1st Communication between  
Installer and Company Service Person.

LEVEL



Telephonic support issues can be resolved via online monitoring if the inverter has internet connectivity. Software problems are fixed immediately; hardware issues are addressed with replacements.

LEVEL



Replacements will be provided within 72 hours from the date of the service complaint log.  
( Faulty inverter sent back to Sunsathi Factory Address only )

# SSS 1M / 2M 2.4KW~6.4KW

2.4KW/3.0KW/3.3KW/4.2KW/5.0KW/5.2KW/5.4KW/5.5KW/6.2KW/6.4KW

## Single-Phase Single / Dual MPPT



### Optimal Power

- 98.1% Max. Efficiency
- 20A PV input current per string, 1-2 MPPT trackers



### Strong Load

- 60V Start-up Voltage, longer working hours with low start-up voltage
- 110% continuous AE output overloading



### Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- OLED display and App for setting and data management



### Flexible Design & Use

- IP66 for indoor and outdoor installation
- Compact size and elegant appearance



## KEY FEATURES



Components from  
World Renowned Suppliers



Lightweight, Compact Structure  
Design, Easy to Install



Durability and Longevity with  
IP66 Protection



Enhanced multiple MPPT  
algorithm, along with String  
level Monitoring.



5th Generation High Temperature  
& High Efficiency IGBT, Improving  
Overall Power Generation.



Single Phase Protection Category:  
Type II SPD + GDT



Fuseless & Fanless Design



Cap Sense Button Design for  
Harsh Environment



24H smart loads consumption  
monitoring export limit available



Automotive Class PCB  
Technology



Integrated Streamlined Case  
Design with Elegant Appearance



Wi-Fi and GPRS Remote Intelligent  
Monitoring System



Double Modulation of Three level  
SPWM & SVPWM, for Pure Sine  
Wave



Remote Software Upgrade,  
parameter Setting & Troubleshooting  
Query



Proven HERIC Topology for Single  
Inverters



Anti-Rust Enclosure



Multi function OLED display, Easy operation  
and configuration



Rounded-edge structure meets the ergonomic  
design, elegant and friendly to install & carry



[illegible]

Certificates	IS 16169, IS 16221-1/2, IEC 61727, IEC 62116, IEC 61000-1-2-3-4, IEC 62109-1/-2, IEC 61683:1999, IEC 60068-2 (1,2,14,30)
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# SST 2M 5KW~30KW

5KW/6KW/8KW/10KW/12KW/15KW/18KW/20KW/25KW/30KW

## Three-Phase **Multi MPPT**



### Optimal Power

- 98.6% Max. Efficiency
- 15A PV input current per string, 2-3 MPPT trackers



### Strong Load

- 180V Start-up Voltage, longer working hours with low start-up voltage



### Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- OLED display and App for setting and data management



### Flexible Design & Use

- IP66 for indoor and outdoor Installation
- Compact size and elegant appearance

## KEY FEATURES



Thin Films & Super capacitors for long hours booster Circuitry operation



Fuse less and Fan less Design



Insulation Test for DC/AC around 3000VDC/1 Min



Reduction of Balance of System cost (BOS) due to Integrated String Combiner Functionality..



SiC Mosfet power device introduced into Inverter improves inverter conversion efficiency of up to 98.6% which offers higher power generation.



RLC filtering Circuit for clean & green sinewave generation



24H smart loads consumption monitoring export limit available



Three Phase Protection Category: Type II SPD + GDT



RCD / GFCI / ELCB enabled for earth leakage protection



TNPC 3-Level Technology for Three Phase Inverters



Defeats Shading Effect by Global Peak Tracker Technology



Up to 20A PV input current and 30A MPPT current compatible with most high-power PV panels



Multi function OLED display, Easy operation and configuration



Rounded-edge structure meets the ergonomic design, elegant and friendly to install & carry



Aluminium alloy die-casting shell + AL heat sink offers up to 200 W/(m.K) thermal conductivity

MODEL	Three Phase Inverters - 2 MPPT (SST2M Model)									
SST 2M	5kW	6kW	8kW	10kW	12kW	15kW	18kW	20kW	25kW	30kW
DC Parameters										
Max DC Power	6500W	7800W	10400W	13000W	15600W	19500W	23400W	26000W	32500W	39000W
Max DC Voltage	1100V*									
Startup Voltage Range (DC)	180V									
Operating Voltage Range (DC)	160V-950V*									
Rated Voltage DC	620V*									
Max Permissible DC Current / MPPT	15A+15A					15A+15A+30A			15A+15A+30A	
Max MPPT Short Circuit Current (ISC)	20A+20A					20A+20A+40A			20A+20A+40A	
No. of MPPT	2					3			3	
No. of Strings per MPPT	1+1					1+1+2			1+1+2	
DC Connection Type	MC 4 Connector									
AC Parameters										
Nominal AC Output Power	5000W	6000W	8000W	10000W	12000W	15000W	18000W	20000W	25000W	30000W
Rated Output Current	7.2A/ Phase	8.7A/Phase	11.5A/Phase	14.4A/Phase	17.3A/Phase	21.7A/Phase	26A/Phase	29A/Phase	36A/Phase	43A/Phase
Max Output Current	8A/Phase	10A/Phase	13A/Phase	16A/Phase	19A/Phase	24A/Phase	29A/Phase	32A/Phase	40A/phase	48A/Phase
Rated Voltage	415-430V -440V									
Operating Voltage Range	330-470V Variable									
Operating Frequency Range	45-55Hz Variable									
AC Connection Configuration	3P+N+PE									
Power Factor	0.8leading ~0.8lagging									
I THD	<2.3% @ Rated Output Power									
Self Consumption (Night)	<0.2W									
DC Current Injection	<0.5%									
Efficiency										
Peak Efficiency	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%
Euro Efficiency	97.60%	97.60%	97.60%	97.80%	97.80%	97.80%	98.00%	98.00%	98.00%	98.00%
MPPT Efficiency	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%
Features										
Display Type (LED/LCD)	OLED Display with LED Indicators									
Communication Port	RS 485, WIFI / GSM / LAN (Optional)									
Anti-PID Feature	Optional									
DC-AC Conversion Topology	High Frequency - Transformerless									
Power Switch DC Side	Optional									
Built in DC SPD Type	Type II SPD + GDT									
Built in AC SPD Type	Type II SPD + GDT									
Protections										
Ground Fault Protection	Integrated									
Over Temperature Protection	Integrated									
Residual Current Protection	Integrated									
DC Reverse Polarity Protection	Integrated									
Anti-Islanding Protection	Integrated									
Output Over V / I Protection	Integrated									
Insulation Resistance Protection	Integrated									
Output Short Circuit Protection	Integrated									
Overload Protection	Integrated									
Ambient Conditions										
Operating Temperature Range	(-) 30 ~ 60°C									
Protection Level (IP)	IP66									
Operating Elevation / Altitude	≤4000m									
Cooling Method	Natural Convection + Smart Fan									
Relative Humidity	0 ~ 100 %									
Noice level dB	<30 dB									
Dimensions	465 x 335 x 200 mm									
Weight	19KG						21KG		24KG	
Warranty	8 Years Standard Warranty									
Certificates	IS 16169, IS 16221-1/2, IEC 61727, IEC 62116, IEC 61000-1-2-3-4, IEC 62109-1/-2, IEC 61683:1999, IEC 60068-2 (1,2,14,30)									



## SUNSEED GROUP OF COMPANY **SUNSATHI SOLAR PVT. LTD**

### Factory Office

Plot No. 48, SN 14/1/1, Govinda Industrial Park, Walad MIDC Amravati  
Maharashtra, India - 444607

### Corporate Office

Arvind Apartment, Infront of Mantri Hospital, Near Mhatre bridge, Erandwane  
Pune - 411004

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