



SST2M 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 MPP 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




BIS Approved




IEC Approved


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)										


KEY FEATURES

 Thin Films & Super capacitors for long hours booster Circuitry operation


 RCD / GFCI / ELCB enabled for earth leakage protection


 Fuse less and Fan less Design


 TNPC 3-Level Technology for Three Phase Inverters

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


 Defeats Shading Effect by Global Peak Tracker Technology


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


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


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


 Three Phase Protection Category: Type II + III SPD + GDT

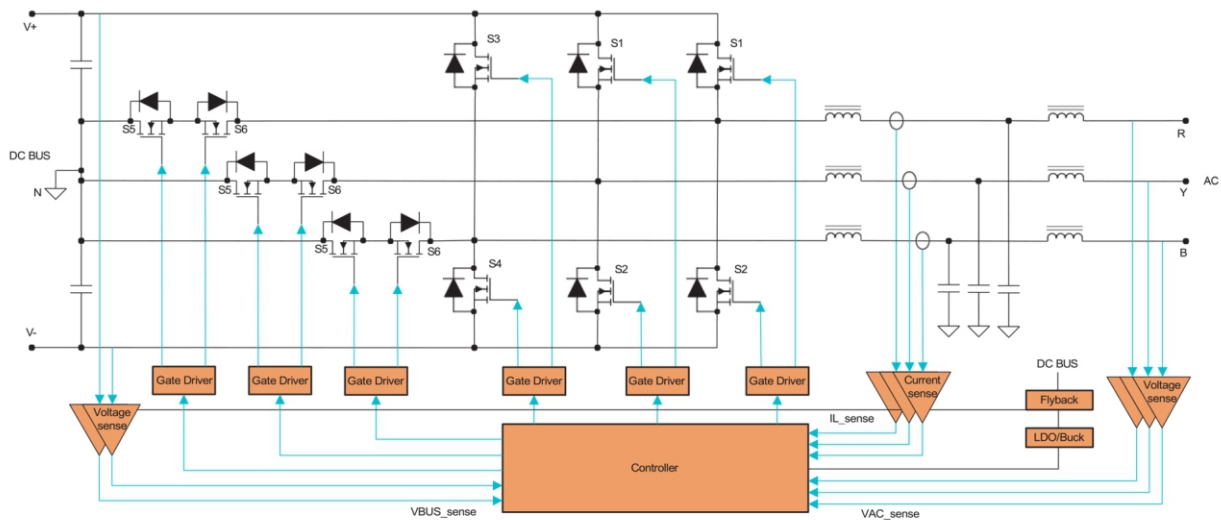
 RLC filtering Circuit for clean & green sinewave generation

 Multi function OLED display, Easy operation and configuration

 24H smart loads consumption monitoring export limit available

 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



T-NPC 3 Level Topology

SUNSATHI
SOLAR साथी SERVICE का...

Sunsathi Solar Private Limited

