



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



BIS Approved



IEC Approved

MODEL	Single Phase Inverters									
	1 MPPT (SSS1M Model)						2 MPPT (SSS2M Model)			
SSS 1M / 2M	2.4kW	3.0kW	3.3kW	4.2kW	5.0kW	5.4kW	5.2kW	5.5kW	6.2kW	6.4kW
DC Parameters										
Max DC Power	2640W	3330W	3630W	4620W	5500W	5940W	6240W	6600W	7440W	7680W
Max DC Voltage	500V*			600V*			600V*			
Startup Voltage Range (DC)	50V			70V			70V			
Operating Voltage Range (DC)	70-450V*			90-550V*			90-550V*			
Rated Voltage DC	300V						360V			
Max Permissible DC Current / MPPT	20A						20A + 20A			
Max MPPT Short Circuit Current (ISC)	30A						30A + 30A			
No. of MPPT	1						2			
No. of Strings per MPPT	1						1+1			
DC Connection Type	MC 4 Connector									
AC Parameters										
Nominal AC Output Power	2400W	3000W	3300W	4200W	5000W	5400W	5200W	5500W	6200W	6400W
Rated Output Current	10.4A	13A	14.3A	18.20A	22A	23.4A	22.5A	23.8A	26.9A	27.7A
Max Output Current	11.5A	14.5A	16A	20A	24A	26A	25A	26.4A	29.8A	30.7A
Rated Voltage	220-230V-240V									
Operating Voltage Range	140-290V Variable									
Operating Frequency Range	45-55Hz Variable									
AC Connection Configuration	L+N+PE									
Power Factor	0.8 leading - 0.8 lagging									
I THD	<2% @ Rated Output Power									
Self Consumption (Night)	<0.2W									
DC Current Injection	<0.25%									
Efficiency										
Peak Efficiency	98.80%	98.80%	98.80%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%
Euro Efficiency	97.20%	97.20%	97.20%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%
MPPT Efficiency	99.90%	99.90%	99.90%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%
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									
Relative Humidity	0 ~ 100 %									
Noice level dB	<25 dB									
Dimensions	297 * 220 *158 mm						358 * 300 * 158 mm			
Weight	6KG						10KG			
Warranty	10 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



Components from World Renowned Suppliers



Lightweight, Compact Structure Design, Easy to Install



Durability and Longevity with Ip66 Protection



Adaptive MPPT algorithm for higher yield



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



Single Phase Protection Category: Type II SPD + GDT



Fuse less & Fan less 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



WiFi 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 Phase Inverters



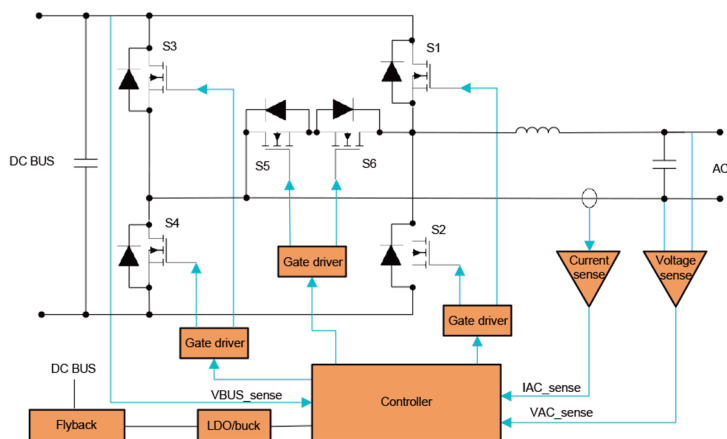
Anti-Rust Enclosure



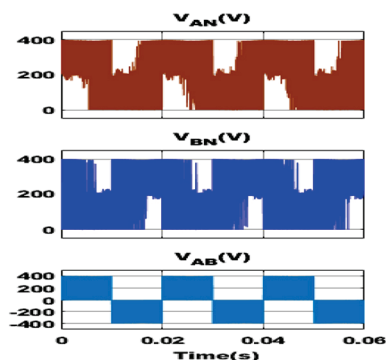
Multi function OLED display, Easy operation and configuration



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



HERIC Topology



SUNSATHI
SOLAR साथी SERVICE कत...

Sunsathi Solar Private Limited

#startupindia

