



# #India's No.1 Solar Inverter Brand



**Power Range (5Kw to 125Kw)**



**Smart & Stylish**



**Durable & Sustainable**



**Long Life Performance**



**SUNSATHI HERIC SERIES**



MODEL	Three Phase Inverters - 2 MPPT (SST2M Model)											
SST 2M	5kW	6kW	8kW	10kW	12kW	15kW	18kW	20kW	25kW	30kW	40kW	50kW
<b>DC Parameters</b>												
Max DC Power	6500W	7800W	10400W	13000W	15600W	19500W	23400W	26000W	32500W	39000W	52000W	65000W
Max DC Voltage	1100V*											
Startup Voltage Range (DC)	160V											
Operating Voltage Range (DC)	160V-950V*											
Rated Voltage DC	620V*											
Max Permissible DC Current / MPPT	15A + 15A				40A + 40A				40A+40A+40A+40A			
Max MPPT Short Circuit Current (ISC)	20A + 20A				50A + 50A				50A+50A+50A+50A			
No. of MPPT	2				2				4			
No. of Strings per MPPT	1+1				2+2				4+4			
DC Connection Type	MC 4 Connector											
<b>AC Parameters</b>												
Nominal AC Output Power	5000W	6000W	8000W	10000W	12000W	15000W	18000W	20000W	25000W	30000W	40000W	50000W
Rated Output Current	7.2A	8.7A	11.5A	14.4A	17.3A	21.7A	26A	29A	36A	43A	61.2A	70.5A
Max Output Current	8A	10A	13A	16A	19A	24A	29A	32A	40A	48A	66.6A	83.3A
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% @ Rated Output Power											
Self Consumption (Night)	<0.2W											
DC Current Injection	<0.5%											
<b>Efficiency</b>												
Peak Efficiency	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.30%	98.10%	98.10%
Euro Efficiency	97.60%	97.60%	97.60%	97.80%	97.80%	97.80%	98.00%	98.00%	98.00%	98.00%	97.80%	97.80%
MPPT Efficiency	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	99.10%	98.50%	98.50%
<b>Features</b>												
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											
<b>Protections</b>												
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											
<b>Ambient Conditions</b>												
Operating Temperature Range	(-)30 ~ 60°C											
Protection Level (IP)	Ip66											
Operating Elevation / Altitude	≤4000m											
Cooling Method	Natural Convection + Smart Fan											
Relative Humidity	0 ~ 100 %											
Noise level dB	<30 dB											
Dimensions	428 x 385 x 185 mm				520 x 412 x 200 mm				585x480x220mm			
Weight	19KG				22KG				37Kg			
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)											

MODEL	100K	110K	125K
<b>DC Parameters</b>			
Max DC Power	150000W	165000W	187500W
Max DC Voltage		1100V*	
Startup Voltage Range (DC)		<b>200V</b>	
Operating Voltage Range (DC)		200-1000V*	
Rated Voltage DC		650V	
Max Permissible DC Current / MPPT	<b>32A</b>	<b>32A</b>	<b>32A</b>
Max Short Circuit Current /MPPT	<b>48A</b>	<b>48A</b>	<b>48A</b>
No. of MPPT	<b>9</b>	<b>9</b>	<b>9</b>
No. of Strings per MPPT	<b>2</b>	<b>2</b>	<b>2</b>
<b>AC Parameters</b>			
Rated AC Output Power	110000	11000W	125000
Max AC Output Power	100000	12100W	125000
Max AC Output Current	159.4	175.4	181.2
Rated AC Voltage		220/380,230/400	
Grid Frequency		<b>50/60 Hz Variable</b>	
AC Connection Configuration		3P+N+PE	
Power Factor		0.8 leading - 0.8 lagging	
I THD		<3% @ Rated Output Power	
Self Consumption (Night)		<b>&lt;0.1W</b>	
DC Current Injection		<0.5%	
<b>Efficiency</b>			
Max Efficiency	98.7%	98.7%	98.7%
Euro Efficiency	98.3%	98.3%	98.3%
MPPT Efficiency		99,90%	
<b>Features</b>			
Display Type (LED/LCD)		<b>OLED Display with LED Indicators</b>	
Communication Port		RS 485, WIFI / GSM / LAN (Optional)	
Anti-PID Feature		Optional	
DC-AC Conversion Topology		<b>High Frequency - Transformerless</b>	
Power Switch DC Side		Optional	
Built in DC SPD Type		<b>TYPE II SPD + GDT</b>	
Built in AC SPD Type		<b>TYPE II SPD + GDT</b>	
<b>Protections</b>			
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	
<b>Ambient Conditions</b>			
Operating Temperature Range		<b>(-) 30 ~ 60°C</b>	
Protection Level (IP)		<b>Ip66</b>	
Operating Elevation / Altitude		≤4000m	
Cooling Method		Natural Convection + Smart Fan	
Relative Humidity		0 ~ 100 %	
Noise level dB		<30 dB	
Dimensions		965 x 700 x 355	
Weight	88Kg	88Kg	88Kg
Warranty		<b>10 Years Standard Warranty</b>	
<b>Certificates</b>			
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)			