



# #India's No.1 Solar Inverter Brand



**Power Range** (1Kw to 6.4Kw)



**Smart & Stylish**



**Durable & Sustainable**



**Long Life Performance**



**SUNSATHI HERIC SERIES**



MODEL	Single Phase Inverters											
	1 MPPT (SSSIM Model)									2 MPPT		
	1kW	2kW	3.0kW	3.3kW	3.6kW	4kW	5kW	5.4kW	6kW	5.5kW	6.4kW	
<b>DC Parameters</b>												
Max DC Power	1100W	2200W	3300W	3630W	3960W	4400W	5500W	5940W	6600W	6600W	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											
<b>AC Parameters</b>												
Nominal AC Output Power	1000W	2000W	3000W	3300W	3600W	4000W	5000W	5400W	6000W	5500W	6400W	
Rated Output Current	4.50A	9.10A	13A	14.3A	16.40A	18.20A	22A	23.4A	27A	23.8A	27.7A	
Max Output Current	4.80A	9.50A	14.5A	16A	16.80A	18.5A	24A	26A	27.30A	26.4A	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%											
<b>Efficiency</b>												
Peak Efficiency		98.80%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%	98.10%	
Euro Efficiency		97.20%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%	
MPPT Efficiency		99.90%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%	99.50%	
<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											
Relative Humidity	0 ~ 100 %											
Noice level dB	<25 dB											
Dimensions	297 * 220 *158 mm								358 * 300 * 158 mm			
Weight	6KG								10KG			
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)											