

BRIGHTEN YOUR WORLD WITH GRID-CONNECTED SOLAR SOLUTIONS



FREE
WiFi dongle
worth Rs.999/-

STAR
SERIES

3 KW | 3.6 KW | 5 KW | 6 KW
SINGLE PHASE

ON-GRID SOLAR INVERTER

EXCLUSIVE FEATURES

Cooling fan inside

In case of a fire or short circuit in the DC supply, the manual DC switch is available to protect the site or house

The following 3 types of generation are displayed together in hold mode for the end user to read and note

Generation now • Generation of the day • Cumulative generation



Big LCD display



Compact and easy to install



Power export limit



Wifi/GPRS/Lan communication optional

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ON-GRID SOLAR INVERTER

TECHNICAL SPECIFICATION

MODEL	STAR S3 KW	STAR S3.6 KW	STAR S5 KW	STAR S6 KW
DC SIDE / INPUT PARAMETERS				
Max DC power (W)	4500W	5400W	7500W	7500W
Max DC voltage (Vdc)	550			
Min System start/Shut down voltage (Vdc)	75/100			
MPPT voltage range(Vdc)	100~500			
Max. input current (A)	18A		22A	
Max.input short circuit per MPPT	25A		30A	
Number of MPP trackers	1			
Strings per MPP tracker	1			
AC SIDE / OUTPUT PARAMETERS				
Nominal output power (W)	3000	3600	5000	6000
Maximum output power (W)	3300	3960	5500	6600
Nominal output voltage/range (V)	208,220,230,240/180~270			
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz			
Maximum output current (A)	16		23	28
AC connection (with PE)	Single phase			
Current distortion(THDi)	<1.5%	<2.5%		
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)			
EFFICIENCY				
Maximum conversion efficiency	97.5%	97.8%	97.5%	97.6%
European efficiency	97.2%	97.3%	97.2%	97.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%
SAFETY AND PROTECTION				
DC reverse-polarity protection	yes			
Anti-islanding / Overvoltage protection	yes			
Short circuit protection	yes			
Leakage current protection	yes			
Grid monitoring / Ground fault monitoring	yes			
DC/AC side SPD (thermally protected)	yes			
GENERAL PARAMETERS				
Dimension (L/W/H)(mm)	300/294/104		370/318.5/105.5	
Weight (kg)	5		7	
Embedded DC Switch	Optional			
Night power consumption (W)	< 0.2			
Isolation type	Transformerless			
Protection degree	IP65 according to IEC60529			
Operation temperature (°C)	-25 ~ +60			
Cooling concept	Smart Cooling			
OperatingAltitude (m)	<2000m without power derating			
Acoustic noise level (dB)	< 25			
Display	Graphic LCD			
Communication Interface	Standard WIFI; RS485 (optional)			

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