

BRIGHTEN YOUR WORLD WITH GRID-CONNECTED SOLAR SOLUTIONS



FREE
WiFi dongle
worth Rs.999/-

STAR
SERIES

**3.6 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

STAR
 SERIES

**3.6 KW & 6 KW
SINGLE PHASE**

ON-GRID SOLAR INVERTER

TECHINICAL SPECIFICATION

MODEL	STAR S3.6 KW	STAR S6 KW
DC SIDE / INPUT PARAMETERS		
Max DC power (W)	5400W	7500W
Max DC voltage (Vdc)	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100
MPPT voltage range(Vdc)	100~500	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)	3600	6000
Maximum output power (W)	3960	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	28
AC connection (with PE)	Single phase	
Current distortion(THDi)	<2.5%	
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)	
EFFICIENCY		
Maximum conversion efficiency	97.8%	97.6%
European efficiency	97.3%	97.3%
MPPT efficiency	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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