

BRIGHTEN YOUR WORLD WITH GRID-CONNECTED SOLAR SOLUTIONS



FREE
WiFi dongle
worth Rs.999/-

STAR
SERIES

**3 KW
SINGLE PHASE**

ON-GRID SOLAR INVERTER



Big LCD display



Power export limit



**Compact and
easy to install**



**Wifi/GPRS/Lan
communication optional**


**3 KW
SINGLE PHASE**
ON-GRID SOLAR INVERTER
TECHINICAL SPECIFICATION

MODEL	STAR S3KW
DC SIDE / INPUT PARAMETERS	
Max DC power (W)	4500W
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
Max.input short circuit per MPPT	25A
Number of MPP trackers	1
Strings per MPP tracker	1
AC SIDE / OUTPUT PARAMETERS	
Nominal output power (W)	3000
Maximum output power (W)	3300
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
AC connection (with PE)	Single phase
Current distortion(THDi)	<1.5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)
EFFICIENCY	
Maximum conversion efficiency	97.5%
European efficiency	97.2%
MPPT efficiency	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
Weight (kg)	5
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
Operating Altitude (m)	<2000m without power derating
Acoustic noise level (dB)	< 25
Display	Graphic LCD
Communication Interface	Standard WIFI; RS485 (optional)

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