

# **MODEL :3E ON-GRID SOLAR INVERTER 3KW**

## **Features**

- Wider voltage range, lower starting voltage and higher conversion efficiency (Max efficiency can reach to 99%).
- Smart grid adaptive to meet the requirement of various power grid access.
- Aluminum casing, natural cooling, Ip65 protection level. Capacity
- Earn money with net metering.
- Save money with lesser equipment and installation costs.
- MPPT Based technology with wall mounted system.
- More efficient and highly reliable.
- Phone expert, Info expert monitoring center.

**NB. The technical specifications and parameters are only for quick reference. For installation and product purchase, kindly take technical expert guidance.**

## **Specification**

Max. DC input power (W)	3300
Max. DC input voltage (V)	500
Starting voltage(V)/Min. operation voltage(V)	80/60
MPPT Range(V)/Rated input voltage(V)	120-450/360V
Number of MPPT/String per MPPT	1/1
Max. DC current (A) Per MPPT x Number of MPPT	15x1
DC switch	Optional
Rated output power (W)	3000
Max. AC output current (A)	13
Grid voltage range	230/180-277V
Grid frequency range	50Hz(44-55Hz) / 60Hz(54-65Hz)

Power Factor	≥ 0.99(at rated power)
THDi	<3%(at rated power)
AC output	Single-phase (L, N, PE)
Cooling method	Natural cooling
Max. efficiency	97.30%
Euro-efficiency	96.50%
MPPT efficiency	99.90%
Protection degree	IP65
Self-consumption (at night)	<1(W)
Topology	Transformer less
Operating temperature range	-25 C +60 C (derate after 45 C)
Relative humidity	0-95%, no condensation
Protection	PV array insulation protection, PV array leakage current protection, Ground fault monitoring, Grid monitoring, Island protection, DC monitoring, Short current protection etc.
Display	LCD (standard) / LED (optional)
Communication interface	Rs485 (standard) : Wi Fi, GPRS200 (optional)
Dimension (H x W x D mm)	280 x 300 x 138
Weight (kg)	≤9.5
Installation	Wall mounting