



ENERGIAAX

PROUDLY, TRULY INDIAN.



ENERGIAA-X SERIES ON-GRID SOLAR INVERTER

2 KW

3 KW

5.5 KW

SINGLE PHASE

- Proudly designed and made in India by Statcon Energiaa
- Compatible with latest high efficiency TOPCON PV modules
- Robust anti-islanding feature ensures safety
- Advanced MPPT algorithm maximizes solar energy harvest
- Compact, attractive, lightweight design - easy installation
- Data stored securely on Indian servers for privacy and security



BIS Approved



ENERGIAA^X ON-GRID SOLAR INVERTER

TECHNICAL SPECIFICATIONS

RATINGS	5.5 KW	3 KW	2 KW
Model No.	Energiaa X5.5T	Energiaa X3T	Energiaa X2T
Input Data (DC)			
Max. rated PV power	6.6 KW	3.6 KW	2.4 KW
Max DC Voltage	550 V	450 V	450 V
Start Voltage	100 V	100 V	100 V
Nominal Voltage	380 V	380 V	380 V
MPPT Voltage Range	100-550 V	100-450 V	100-450 V
No. of MPPT Channel	1	1	1
No. of PV string per MPPT Channel	1	1	1
Max. Input Current per MPPT Channel	21 A	16 A	16 A
Max. short-circuit Current per MPPT Channel	30 A	24 A	24 A
Output Data (AC)			
AC nominal Power	5.5 KW	3 KW	2 KW
Max. AC apparent power	5.5 KVA	3 KVA	2 KVA
Nominal AC Voltage (range)	230 V (180-265 V)	230 V (180-265 V)	230 V (180-265 V)
AC grid frequency (range)	50Hz. (47.5- 52.5 Hz.)	50Hz. (47.5- 52.5 Hz.)	50Hz (47.5- 52.5 Hz.)
Max. output current	24 A	13 A	8.7 A
Power factor	UNITY	UNITY	UNITY
THDi	< 3% **	< 3% **	< 3% **
AC Grid Connection Type	Single Phase	Single Phase	Single Phase
Efficiency			
MPPT efficiency	> 99.5%	> 99.5%	> 99.5%
Max. efficiency	> 97.5%	> 97.5%	> 97.5%
Protection			
Grid Monitoring	YES	YES	YES
Anti-islanding	YES	YES	YES
Differential Current monitoring	YES	YES	YES
AC Short Circuit protection	YES	YES	YES
DC surge protection	YES	YES	YES
Insulation resistance monitoring	YES	YES	YES
Anti-islanding timer	YES	YES	YES
Export Control	YES	YES	YES
AC surge protection	YES	YES	YES
Safety Parameters on display board			
Over voltage, Under voltage, Over frequency, Under frequency, Idle start of and anti islanding (60 seconds)			
General Data			
Zero Export Feature	Available	Available	Available
Dimension (W/H/D)	375/350/190 mm ±2mm	282/317/190 mm ±2mm	282/317/126 mm ±2mm
Weight	11.8 Kg	7.45 Kg	5.71 Kg
Operating Temperature Range	-25 to +60 deg. celsius	-25 to +55 deg. celsius	-25 to +55 deg. celsius
Night time power consumption	< 1 W	< 1 W	< 1 W
Topology	Transformerless	Transformerless	Transformerless
Cooling	Natural Convection	Natural Convection	Natural Convection
Ingress Protection	IP65	IP65	IP65
Relative Humidity	0-100%	0-100%	0-100%
DC connection	MC4	MC4	MC4
AC connection	Connector	Connector	Connector
Display	16 X 2 LCD	16 X 2 LCD	16 X 2 LCD
Interface	RS-485/Wifi	RS-485/Wifi	RS-485/Wifi
Warranty	132months*** / 11 years***	132 months*** / 11 years***	96 months*** / 8 years***

**This product is compliant with BIS, EMI-EMC and IEC standards (IEC 62116 & 61727, IEC 60068-2 (1,2,14,30), IEC 61683)

***Warranty period and T&Cs as per the Warranty Card supplied along with the product.

Statcon Energiaa Pvt. Ltd. reserves the right to modify or withdraw any of the ratings or technical specifications. Doc: CAT/ENE/V2.0/200225

For Distributorship Enquiries: +91 7042859888, Toll Free No. 1800-891-3319, Landline: 0120-4088600



KEY FEATURES:

- Low current distortion factor
- Immune to grid disturbance
- Advanced MPPT for higher solar generation
- Wide-range PV voltage support
- Advanced PLL for seamless grid-interactive mode
- Remote monitoring system with WIFI
- Transformer-less technology
- Earth fault protection
- Easy Plug-and-Play installation
- Grid and PV side lightning arrestor
- Robust anti-islanding feature

ABOUT US:

A trusted brand in Power Electronics for 36+ years, Statcon Energiaa makes the largest number of, and widest range of, Solar Inverters and Energy Storage Systems in India (1-250 kVA). Our solar inverters are known for top-class quality, robustness, feature-richness and high performance. What you get is a seamless power experience!

