

# STATCON ROTOMAG®

## On-Grid SOLAR INVERTERS

*Solar, maximised.*



Robust Safety  
Protection



Class-1 Supplier  
(Make In India)



Secure Data  
Storage

## Innovative Indian Solar Inverter manufacturer

Statcon Energiaa (P) Ltd. is an ISO 9001, 14001 and 45001 certified power electronics manufacturer with over three decades of expertise in advanced solar, defence, hydrogen, power and railway solutions.

With complete in-house design, R&D and software development, we build reliable, efficient and service-friendly solar inverters tailored for Indian conditions - ensuring lasting performance and dependable after-sales support across India.



### Our Strength.

- Total in-house Inverter Designing
- Total Coding & Software
- End-to-End Manufacturing
- In-house Testing
- Long-term Aftersales
- Quick Spares Support

### Our products are BIS certified\*



\* Select Range, and the rest underway

## End-to-End

### Manufacturing Excellence

Our company has its own debt-free production unit covering 1,25,000 sq. ft. area. The company possesses robust infrastructure to develop, manufacture, and support advanced products, powered by the diverse potential of its technologies and applications.

Our skilled engineering team ensures every product meets global performance standards and delivers reliable, high-quality power solutions.



## Rigorous In-House Quality Control.

Our Quality Control lab houses precision testing jigs, power analyzers, digital meters, and environmental chambers for rigorous component and product evaluation. Every unit undergoes pre-QC and final inspection. Trained teams and our Vendor Quality Program ensure uncompromising standards and top-grade material integrity.

**Ensuring** trusted quality  
and performance.



STATCON  
ROTO MAG®

ENERGIAAX®

Residential Inverters

2-5 kW

Inverters THAT  
POWER WITHOUT PAUSE

## 2-5 kW TECHNICAL SPECIFICATIONS

RATINGS	2 kW	3 kW	5.5 kW
Model No.	<b>Energiaa X2T</b>	<b>Energiaa X3T</b>	<b>Energiaa X5.5T</b>
<b>Input Data (DC)</b>			
Max. recommended PV power	2.4 kW*	3.6 kW*	6 kW*
Max DC Voltage	450 V	450 V	550 V
Start Voltage	100 V	100 V	100 V
Nominal Voltage	380 V	380 V	380 V
MPPT Voltage Range	100-450 V	100-450 V	100-550 V
No. of MPPT Channel	1	1	1
No. of PV string per MPPT Channel	1	1	1
Max. Input Current per MPPT Channel	16 A	16 A	21 A
Max. short-circuit current per MPPT Channel	24 A	24 A	30 A
<b>Output Data (AC)</b>			
AC nominal Power	2 kW	3 kW	5.5 kW
Max. AC apparent power	2 KVA	3 KVA	5.5 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	8.7 A	13 A	24A
Power factor	UNITY	UNITY	UNITY
THDi	< 3% **	< 3% **	< 3% **
AC Grid Connection Type	Single Phase	Single Phase	Single Phase
<b>Efficiency</b>			
MPPT efficiency	> 99.5%	> 99.5%	> 99.5%
Max. efficiency	> 97.5%	> 97.5%	> 97.5%
<b>Protection</b>			
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
<b>Safety Parameters on display board</b>			
Over voltage, Under voltage, Over frequency, Under frequency, Idle start of and anti islanding (60 seconds)			
<b>General Data</b>			
Zero Export Features	Available	Available	Available
Dimension (W/H/D)	282/317/190 mm ±2mm	282/317/190 mm ±2mm	375/350/190 mm ±2mm
Weight	7.45 Kg	7.45 Kg	11.8 Kg
Operating Temperature Range	-25 to +60 deg. celcius	-25 to +60 deg. celcius	-25 to +60 deg. celcius
Night time power consumption	< 1 W	< 1 W	< 1 W
Topology	Transformerless	Transformerless	Transformerless
Cooling	Natural Convection	Natural Convection	Natural Convection
Protection degree	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	132 months*** / 11 years***	132 months*** / 11 years***	132 months*** / 11 years***

\*Can overload upto 20%

\*\*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  
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THUNDER®

Commercial & Industrial Inverters



6 kW  
to  
50 kW

Inverters THAT  
POWER WITHOUT PAUSE

# 6-50 kW TECHNICAL SPECIFICATIONS

RATINGS	6 KW	10 KW	15 KW	20 KW	25 KW	30 KW	40 KW	50 KW	
Model No.	Thunder6K	Thunder10K	Thunder15K	Thunder20K	Thunder25K	Thunder30K	Thunder40K	Thunder50K	
<b>Input Data (DC)</b>									
Max. DC Input Power (kW)	7.8	13	19.5	26	32.5	39	52	65	
Max DC Input Voltage (V)	1100								
Start-up DC Input Voltage (V)	250								
MPPT Operating Range (V)	250-1000								
Max. DC Input Current (A)	20+20		20+26	26+26		40+40	40+40+40	40+40+40+40	
Max. Short Circuit Current (A)	30+30		30+39	39+39		60+60	60+60+60	60+60+60+60	
No.of MPP Trackers	2						3	4	
No.of Strings per MPP Trackers	1+1		1+2	2+2		3+3	3+3+3	3+3+3+3	
<b>Output Data (AC)</b>									
Rated Output Power (kW)	6	10	15	20	25	30	40	50	
Max. Active Power (kW)	6.6	11	16.5	22	27.5	33	44	55	
Rated Output Voltage/Range (V)	3L/N/PE, 230/400V								
Rated Grid Frequency (Hz)	50								
Operating Phase	Three phase								
Rated AC Grid Output Current (A)	9.1/8.7	15.2/14.5	22.7/21.7	30.3/29	37.9/36.2	45.5/43.5	60.6/58	75.8/72.5	
Max. AC Output Current (A)	10/9.6	16.7/15.9	25/23.9	33.3/31.9	41.7/39.8	50/47.9	66.7/63.8	83.3/79.7	
Output Power Factor	0.8 leading to 0.8 lagging								
Grid Current THD	< 3%								
DC Injection Current (mA)	< 0.5%								
Grid Frequency Range	47.5-52.5								
<b>Efficiency</b>									
Max. Efficiency	98.3%		98.5%	98.6%			98.7%		
Euro Efficiency	97.5%			97.83%		97.8%	98%		
MPPT Efficiency	> 99%								
<b>Protection</b>									
DC Reverse-Polarity Protection	YES								
AC Short Circuit Protection	YES								
AC Output Overcurrent Protection	YES								
Output Overvoltage Protection	YES								
Insulation Resistance Protection	YES								
Ground Fault Monitoring	YES								
Anti-islanding Protection	YES								
Temperature Protection	YES								
Intergrated DC Switch	YES								
Remote software upload	YES								
Remote Charger of Operating Parameters	YES								
Surge Protection	DC Type II/ AC Type II								
<b>General Data</b>									
Dimension (W/H/D)	330/457/203		283/463/178	362/527/220		362/577/215	434/570/243		
Weight	12 Kg		16 Kg	22 Kg		25 Kg	39.1 Kg		
Topology	Transformerless								
Internal Consumption	< 1 W (Night)								
Running Temperature	-25 to +60 C, >45 C derating								
Ingress Protection	IP65								
Noise Emission (Typical)	≤ 30dB		≤ 40dB			≤ 50dB			
Cooling Concept	Natural cooling			Smart cooling					
Max. Operating Altitude Without Derating	4000m				2000m		4000m		
Warranty	8 Years								
Operating Surroundings Humidity	0-100%								
<b>Features</b>									
Display	LCD 1602						LCD 240 x 160		
Interface	RS485/RS232/Wifi/LAN								

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60 kW  
to  
100 kW

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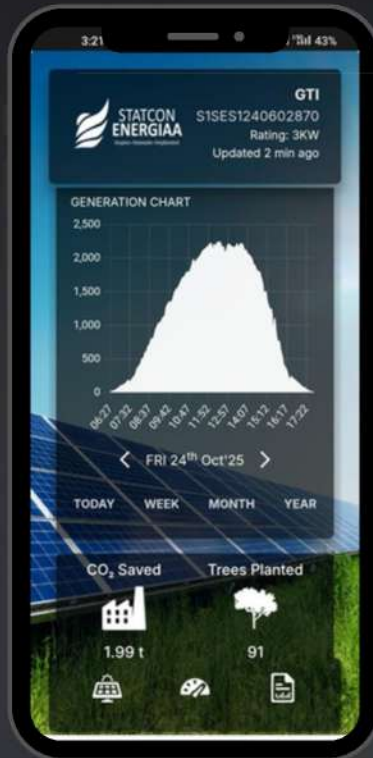
# 60-100 kW TECHNICAL SPECIFICATIONS

RATINGS	60KW	70 KW	80 KW	100 KW
Model No.	Thunder60K	Thunder70K	Thunder80K	Thunder100K
<b>Input Data (DC)</b>				
Max. DC Input Power (kW)	78	91	104	130
Max DC Input Voltage (V)	1100			
Start-up DC Input Voltage (V)	250			
MPPT Operating Range (V)	250-1000			
Max. DC Input Current (A)	40+40+40+40			40+40+40+40+40+40
Max. Short Circuit Current (A)	60+60+60+60			60+60+60+60+60+60
No.of MPP Trackers	4			6
No.of Strings per MPP Trackers	3+3+3+3	4+4+4+4		4+4+4+4+4+4
<b>Output Data (AC)</b>				
Rated Output Power (kW)	60	70	80	100
Max. AC Power (kW)	66	77	88	110
Rated Output Voltage/Range (V)	3L/N/PE, 230/400V			
Rated Grid Frequency (Hz)	50			
Operating Phase	Three phase			
Rated AC Grid Output Current (A)	90.9/87	106.1/101.5	121.2/115.9	151.5/144.9
Max. AC Output Current (A)	100/95.7	116.7/111.6	133.3/127.5	166.7/159.4
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	< 3%			
DC Injection Current (mA)	< 0.5%			
Grid Frequency Range	47.5-52.5			
<b>Efficiency</b>				
Max. Efficiency	98.7%			
Euro Efficiency	98.3%			
MPPT Efficiency	> 99%			
<b>Protection</b>				
DC Reverse-Polarity Protection	YES			
AC Short Circuit Protection	YES			
AC Output Overcurrent Protection	YES			
Output Overvoltage Protection	YES			
Insulation Resistance Protection	YES			
Ground Fault Monitoring	YES			
Anti-islanding Protection	YES			
Temperature Protection	YES			
Intergrated DC Switch	YES			
Remote software upload	YES			
Remote Charger of Operating Parameters	YES			
Surge Protection	DC Type II/ AC Type II			
<b>General Data</b>				
Dimension (W/H/D)	700/575/297			826/516/312
Weight	63 Kg			81 Kg
Topology	Transformerless			
Internal Consumption	< 1 W (Night)			
Running Temperature	-25 to +65 C, >45 C derating			
Ingress Protection	IP65			
Noise Emission (Typical)	≤ 50dB	≤ 55dB		
Cooling Concept	Smart cooling			
Max. Operating Altitude Without Derating	2000m			4000m
Warranty	8 Years			
Operating Surroundings Humidity	0-100%			
<b>Features</b>				
Display	LCD 240 x 160			
Interface	RS485/RS232/Wifi/LAN			

Smart *Power.*  
Smarter *Monitoring.*



Access live solar data - anytime, anywhere



Monitor voltage, current, grid import/export & battery status



View daily, monthly & lifetime energy analytics

Receive performance alerts and efficiency reports

Works seamlessly on both mobile & desktop

24x7 visibility, 365-days reliability



Cloud Sync



Real-Time Data



Alerts



Analytics



# STATCON ROTO MAG®

## No-Hassle On-Grid Service Promise

We ensure uninterrupted performance through India's fastest solar service network. We provide a **Free-of-Cost** standby inverter through our Channel Partners, ensuring instant replacement and zero downtime for your solar system.

### 3-Step Smart Service Flow

#### Call Support

- Customer Care Toll Free No.: 1800-891-3319
- WhatsApp: +91 9821396421
- Email: [servicing@energiaa.in](mailto:servicing@energiaa.in)

#### Remote Diagnosis

- 80% issues solved instantly via remote check - fast & transparent.

#### Quick Replacement

- If the issue persists, the dealer provides a Free-of-Cost standby inverter to ensure uninterrupted power.

### Why It Works.

- Minimum Downtime
- Trusted Nationwide Network
- FoC Standby Support
- Factory-Backed Reliability
- Made-in-India Confidence





A trusted brand in Power Electronics for 37+ years, Statcon Energiaa makes the largest 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!

Our PCUs handle heavy loads (>100% of labelled Wattage)



Store energy for anytime-use and seamless experience



With in-house top quality design and manufacturing



Own transformer manufacturing - most durable in the market



Join the **fastest growing** Solar Channel Network today!



### Contact details

 [info@energiaa.in](mailto:info@energiaa.in)

 844-808-1123

 1800-891-3319

### Follow us on Social Media

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