STATCON ENERGIAA®
Inspire • Innovate • Implement

STATCON ROTOMAG®

KISAN URJA SATHI

One portable power partner for farm and home - solar-charged at the farm, reliable power for tools and home essentials. Kisan Urja Sathi, no grid needed.

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Your solar pump typically runs only 3-4 hours/day and 124-150 days in a year, yet your solar generation is often higher

Store the extra solar power by charging Kisan Urja Sathi, don't let energy go waste

Charge it, place it on a bike as needed, take it home - and use power comfortably.

Run your home loads, without the grid

Inverter for household appliances - cooler, fridge, freezer, lights, fan, flour mill, etc.

One solar system - double benefit, with no extra cost.

Become an "Energy Entrepreneur" with Kisan Urja Sathi

Charge it, Earn it:
Power up the KUS from your farm and rent it out — earn with every use.

Set up a mobile charging center:
Charge people's phones and earn profit too.

Sell power at night:
Charge with solar during the day and earn by supplying electricity at night!

Support small businesses:
Supply electricity to rural ventures like dairy shops, paan stalls, and tea kiosks etc.

Become an "Energy Partner":
Light up your village and your future too.

Statcon Energiaa: Reliable Inverters, Strong Service, Built in India

- 38+ years of technical expertise
- Sold 1.5 lakh+ solar inverters
- Strong distributor network in 40+ cities
- 80+ service professionals
- 100% designed and manufactured in India
- Long-term availability of spare parts and service

TECHNICAL DETAILS

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	Rating
Model Number/ Name	**Kisan Urja Sathi**
Nominal DC Voltage	25.6Volt
Type of Charger	MPPT
No of MPPT Channels	One
Switching Element	IGBT
Max. Connected PV Modules	3200 Watts
Max. MPPT Output Current	100 Amps
Max Battery Charging Current (Settable)	05-40 Amps
Max. Open Circuit PV Voltage (VOC)	300V
MPPT Voltage Range (VMP)	110-255 Volts
Min. PV Voltage	110 Volts
Max. Input PV Current	20 Amps
Recommended PV Configration (for Polycrystalline)	6 Series
MPPT Peak Efficiency	92%
Switching Element	MOSFET
Nominal Battery Voltage	25.6 V
Nominal Output Voltage	220 V
Nominal Output Frequency	50 Hz
Output Voltage Range (At Nominal Battery Volts)	200-220 Volts
Max. Output Nominal Current	9.5 Amps
Overloads	100-125% (120 Seconds), 126-150% (60 Seconds), 151-200% (5 Seconds), > 200% (Immediate)
Overload Restart (Not applicable for UPS Mode)	3 Times Auto Restart and then Manual Reset
Controller Type	DSP Based
Output Type	Pure Sine Wave
Input Source	PV/ Battery/ Grid
Peak Inverter Efficiency	>85%
Total Harmonic Distortion	less than 5%
Changeover Time in UPS Mode	less than 15 msec
Changeover Time in Wide Range Mode	less than 25 msec
No Load Losses (in standby)	100 mA (Battery side)
UPS Mode (for IT Loads)	Provided
Wide Grid Operation Mode (for Non IT Loads)	Provided
Battery Under Cut Alarm	LITHIUM 24.0V/ ≤13% SOC (Settable)
Battery Under Cut	LITHIUM 23.5V/ ≤10% SOC (Settable)
Battery Capacity	125 Ah
Load Dependent Battery Undercut Feature	Provided
Grid Operating Voltage Range (W-UPS Mode)	120 - 280 Volts (+/- 10V)
Grid Under Cut Recovery Voltage (W-UPS Mode)	130 Volts (+/-10V)
Grid Over Cut Recovery Voltage (W-UPS Mode)	265 Volts (+/-10V)
Grid Operating Voltage Range (UPS Mode)	180 - 260 Volts (+/-10V)
Grid Under Cut Recovery Voltage (UPS Mode)	195 Volts (+/-10V)
Grid Over Cut Recovery Voltage (UPS Mode)	245 Volts (+/-10V)
Load Output Voltage During Byass Mode	Same as Input Voltage
Grid Input Frequency Range	45-55 Hz
Load Output Frequency During Byass Mode	Same as Input Frequency
Max Battery Charging Current from Grid	25 Amps
Battery Charging from Grid Enable/ Disable	Provided
Input Source Supported	Grid/ Diesel Generator
Protections	**PV**: Reverse Polarity, Battery Reverse Power, PV Power Limit **Battery**: Under Voltage Cut, Over Voltage, Reverse Ploarity, Overcharge Limit (BCL), Battery Fuse **Grid**: Over Voltage, Under Voltage, Over Frequency, Under Frequency, Grid Fuse Fail **Load**: Overload, Short Circuit, Over Heat, Output Low
Display Parameters	**PV**: Voltage, Amps, Power, Today kWH, Total kWH Generation **Battery**: Voltage Amps Charge/ Discharge Status, SOC% **Grid**: Voltage, Frequency **Load**: Voltage, Load%, Frequency **System**: Operating Modes (UPS/ Wide Range), Priority Selection, Grid Charging Enable/ Disable, Battery Status (Charging/ Discharging) **Start Up**: Welcome, Firmware versions
Display Faults	**PV**: PV Over Voltage **Battery**: Battery Under Voltage, Battery Over Voltage, Cell U/O Voltage, Cell Over Temp, Low Battery Soc **Grid**: Under/ Over Voltage, Fuse Fail **Load**: Overload, O/P Short Circuit **System**: Over Temperature
Audio Buzzer	Overloads, Short Circuit, Low Battery Alarm, Battery Under Cut, Change in Grid Status (Beep), Grid Fuse fail, PV Over Voltage, Grid Over Voltage
Front Panel LED	Power ON, Inverter ON, SPV Present/ SPV Charging, Grid Present/ Grid Charging, Battery Under Cut/ Alarm, Fault
Front Panel Switches	Reset for System ON/OFF, UP, DOWN, BACK, ENTER
Display Type	16 X 2 Alpha Numeric Display with Backlight
Operating Temperature	0-50 degrees Ambient
Storage Temperature	0-50 degrees Ambient
Max. Relative Humidity @ 25°C (Non Condensing)	95%
Degree of Protection	IP20
Dimensions (LxWxH)	535 X 336.5 X 526.5 MM
Weight (Approx)	62
Noise @ 1meter	60 dB
Cooling	Temp Controlled Fan Cooled
Terminations	PV: Mc4 Connector Lithium Battery (25.6V): INBUILT Load: 16 AMP 5 PIN AC SOCKET GRID: 1.5mtr 3 Core Cable
Accessories Supplied	Manual, Battery Fuse (4 Nos), Grid Fuse (1 Nos), Warranty card

*Specifications are subject to change without prior notice due to constant improvement in design and technology

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Manufacturing for Clean Energy Engineering

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Statcon Energiaa, a Rotomag Group Company (Gujarat) with 5 group manufacturing facilities, is a trusted power electronics brand with 38+ years of expertise, offering a wide range of Solar Inverters and Energy Storage Systems in India (1–250 kVA).

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

Join our Channel Partner network and grow with confidence!

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