



SH911 Series

5-10kVA Online UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH®

SH911 Series

5-10kVA Online UPS



Key Features

Active Boost PFC Converter

- Active Green SH911 Series is a double conversion single phase input-single phase output with active input power factor correction.

SNMP	DSP CONTROLLED
• Remote Management • Event logging • Self Test	• IGBT Inverter • Isolation Transformer • Mains Synchronised • Static Bypass



Technology

- DSP technology
- IGBT Based Rectifier and Inverter



Interface

- SNMP Compatible



Topology

- Active boost topology
- the highest reliable converter topology



User-friendly LCD Display

- True RMS reading | Fault Condition
- Status display | Event Logging

Specially Designed for Sensitive Loads, SH911 Series Provides

- The UPS is utility friendly and generator compatible and prevents the overrating of electrical wires, reduce reflected harmonics back to the source.
- Comprehensive power protection from lightning, ground noise, polluted neutral and ground drifts using galvanic isolation between input and output.
- Apart from providing backup on power failure a good UPS should also act as a good power conditioner and this is what SH911 does by providing international levels of voltage and frequency stabilization.
- Hot swappable battery option enables the faulty batteries to be replaced, even as the UPS continues to power the loads.

Boosts UPS uptime by 35% and cuts service provider costs by 35%

- Constant Frequency source
- Premium Quality Galvanically isolated Power
- Power Factor Corrector
- Reduces the breakdown of connected equipment by providing.
- Premium quality of power of constant voltage and frequency.
- Cost of service and downtime reduces by 35%-40% leading to improved productivity and improved profit margins.



GSM based SMS pre-trip alert for Initiating necessary preventive action.

Remote UPS Power & Battery Health Monitoring using GSM and SNMP.

SH911 Series

5-10kVA Online UPS



Specifications



Model	SH911 - 5KL		SH911 - 6KL	SH911 - 10KL
Phase	1 Phase Input / 1 Phase Output			
Rated Power	5kVA / 4kW	6kVA / 4.8kW		10kVA / 8kW
Input				
Voltage	230VAC, 1Ø			
Voltage Range	160VAC - 270VAC Default / Customized			
Frequency	50Hz ± 10% (Sync With Mains), 50Hz +/-0.1Hz (Unsync Mode)			
Power Factor	≥ 0.99 On Full Load			
Output				
Nominal Voltage	Single Phase 230VAC, Three Wire (1Ø + N + Pe)			
Regulation	(±) 1%			
Rated Power Factor	0.8 Lag To Unity (Customized)			
Frequency	50 Hz ± 0.1Hz Unsync Mode			
Waveform	True Sinewave			
Total Harmonic Distortion	Linear Load: < 2%, Non Linear Load: < 3%			
Transient Response	Remains Within +/- 5% & Recover To Normal Within 20 Msec			
Over Load Capacity	10 Minute < 125%, 10 Minutes < 150%			
Crest Factor	03:01			
Isolation	True Online With Complete Galvanic Isolation For Comprehensive Power Protection			
Battery				
DC Bus	120V / 192V DC	192V DC		192V DC
Number Of Batteries	10 / 16 Nos.	16 Nos.		16 Nos.
System				
Protection	1.Advanced Electronic Protection for device safety backed up with MCB's/MCCBs & fast acting fuses; high-speed pulse-by-pulse electronic device protection; 2.Over voltage/Under-voltage protection; 3.Electronic over-current trip with reset; 4.Over-temperature, 5.Overload, 6.Battery low, 7.Short Circuit; 8.High Voltage Transient Protection 9.ESD Protection as per IEC 62040-2			
Communications	SNMP, GSM Based SMS Alert, RMP (Optional)			
Bypass	Static & Manual Bypass			
LED Indications	Online & Fault			
LCD Display	Input Voltage, Output Voltage, Load Percentage, Output Frequency, Battery Voltage			
Physical				
Dimensions (W X D X H) (Mm)	210 X 550 X 550	210 X 550X 550		270 X 670 X 650
Net Weight (Kg)	50	50		84

*Product specifications are subject to change without further notice



RAPSTECH Systems India Pvt Limited

H.No.:1-11-256/C/11, Bhagawanthpur, Gagan Vihar Colony, Begumpet, Hyderabad, India, 500016

info@rapstech.co.in | +91 99489 10784, +91 83670 12350 | rapstech.co.in

