



SH 931
10-40kVA
Online UPS



RAPSTECH™





Uninterrupted Premium Quality Power using Power-Conditioning topology

The factors contributing to the pre-mature failure of electrical gadgets and eventually the system failure is not limited only to voltage fluctuations but also, the poor quality of power. Hence, importance should not only be given for power availability but also for quality power availability.

SH 931 is a complete Power-conditioner & Power Factor Corrector

Optimizes the product life & process uptime by 35%-40%.



- ★ Constant voltage, frequency, High Grade Premium quality power.
- ★ Galvanic isolation at the output.
- ★ Operating ambient temperature 0-45 degrees.
- ★ Overload handling capability of 150% for 1 minute. High surge handling capability.

Advanced Active Power PFC Online UPS

Technology

- 💡 DSP technology
- 💡 IGBT Based Rectifier and Inverter

Topology

- 💡 Bifilar PWM Switching
- 💡 IGBT based MPWM with instantaneous Sinewave Control

Interface

- 💡 SNMP Compatible
- 💡 User-friendly LCD Display
- 💡 True RMS Reading
- 💡 Fault Condition
- 💡 Status Display
- 💡 Event Logging

Ideal Power-conditioner

- 💡 Constant Frequency source
- 💡 Premium Quality Galvanically isolated Power
- 💡 Power Factor Corrector

Features

- 💡 Power Factor Corrected
- 💡 Digital Signal Processor
- 💡 Isolation Transformer
- 💡 Auto bypass

Power Factor Corrections

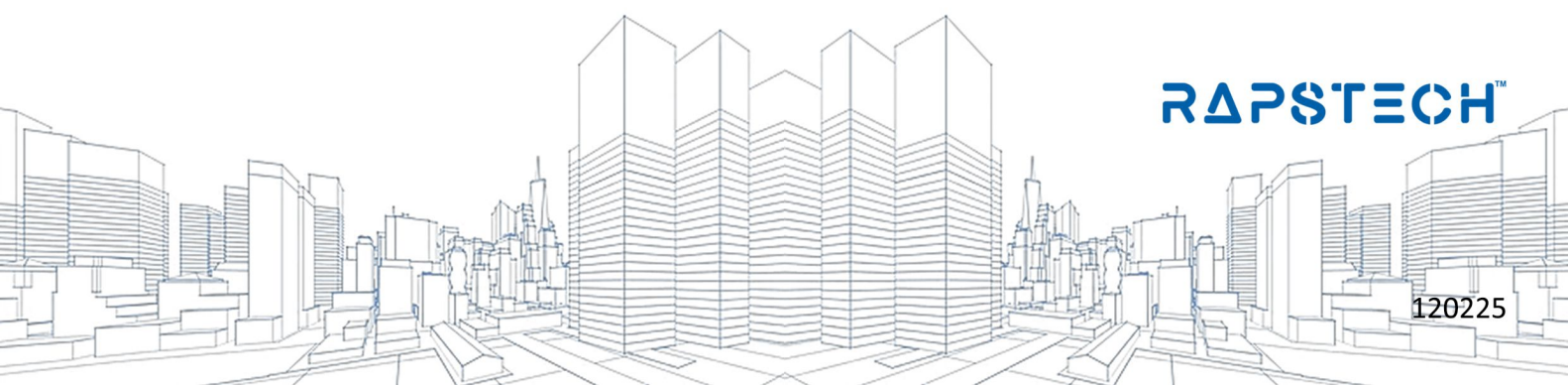
- 💡 Reduces the running cost in terms of electricity bill
- 💡 Prevent the overrating of electrical wire
- 💡 Reduce reflected harmonics back to the source
- 💡 Savings in sizing of utility transformer & generator

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Technical Specifications: SH 931

Model	SH 931 10-15kVA		SH 931 20-40kVA		
Phase	3 Phase Input / 1 Phase Output				
Input					
Input Voltage	415VAC, (3Ø + N + PE)				
Input Voltage Range	330VAC - 470VAC				
Input Frequency	45-55Hz				
Input Power Factor	100% load: ≥ 0.95				
Output					
Nominal Voltage	Single Phase 230VAC, Three Wire (1Ø + N + PE)				
Regulation	(±) 1%				
Rated Power Factor	0.8				
Frequency	50 Hz ± 0.1Hz Unsync Mode				
Waveform	True Sinewave				
Total HarmonicDistortion	Linear Load: < 2%, Non Linear Load < 5%				
Over Load Capacity	100%: Continuous, 110%: 10 Minutes, 150%: 1 Minute				
Crest Factor	3 : 1				
Isolation	True Online with complete galvanic isolation.				
Battery					
DC BUS	240 Vdc	360 Vdc			
Number of Batteries	20 no's	30 no's			
Charging Current	10A	15A			
System					
Protection	Inverter Protection Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses, high speed pulse by pulse electronic device protection over voltage /under voltage protection, Electronic over current trip.				
Communications	SNMP, GSM Based SMS Alert, RMP (Optional)				
Bypass	Static & Manual Bypass (Provided)				
LED Indications (Single LED with multi function)	• Mains on • UPS on • Battery Low • Overload • Input Voltage • Output Voltage • Load current • Output Frequency • Battery				
Physical	10kVA	15kVA	20kVA	30kVA	40kVA
Dimensions (W X D X H) (mm)	645 x 270 x 670		780 x 400 x 800	865 x 480 x 930	870 x 500 x 1125
Net Weight (kg)	85 kg	95 kg	159 kg	200 kg	270 kg

* All specifications subject to change without notice



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