



SH931 Series

10~40kva Online UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH®

SH931 Series

10~40kva Online UPS



Uninterrupted Premium Quality Power

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 Status 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



Model	SH931 - 10 KL	SH931 - 15 KL	SH931 - 20 KL	SH931 - 30 KL	SH931 - 40 KL
	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA
Phase	3 Phase Input / 1 Phase Output				
Voltage	415VAC, (3Ø + N + PE)				
Input	Voltage Range 330VAC – 470VAC				
	Frequency 45 – 55Hz				
	Power Factor 100% load: > 0.95				
	Nominal Voltage Single Phase 230VAC, Three Wire (1Ø + N + PE)				
Regulation	(±) 1%				
Rated Power Factor	0.8				
Frequency	50 Hz ± 0.1Hz Unsync Mode				
Output	Waveform True Sinewave				
	Total Harmonic Distortion Linear Load: < 2%, Non-Linear Load: < 5%				
	Over Load Capacity 100%: Continuous, 110%: 10 Minutes, 150%: 1 Minute				
	Crest Factor 3:1 (Max)				
Isolation	True Online with complete galvanic isolation				
Battery	DC BUS	240 Vdc	360 Vdc		
	Charging Current	10A	15A		
	Number of Batteries	20 Nos	30 Nos		
Protection	Inverter Protection: Advanced Electronic Protection for device safety backed up with MCB's/MC-CBs & fast acting fuses, high speed pulse-by-pulse electronic device protection, over-voltage/under-voltage protection, electronic over-current trip				
System	Communications	SNMP, GSM Based SMS Alert, RMP (Optional)			
	Bypass	Static & Manual Bypass (Provided)			
	LED Indications	Mains On, Battery Low, Overload, Input Voltage, Output Voltage, Load Current, Output Frequency			
PHYSICAL	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA
Dimension (W*D*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	95	159	200	270

*Product specifications are subject to change without further notice.



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