Su-Kam

MODEL : MAK 850VA/12VDC DIGITAL INVERTER

TECHNICAL SPECIFICATION

CAPACITY	850 VA
VOLTAGE LIMITS	
Mains A.C Low Cut	105 ±10 V
Mains A.C Low Cut Recovery	120 ±10 V
Mains A.C High Cut	285 ±10 V
Mains A.C High Cut Recovery	275±10V
CHANGE OVER TIME *	
Mains to Inverter	40ms
Inverter to Mains	10ms
INVERTER MODE	
Output Voltage Range with Specified Load	175 V - 260 V
OUTPUT FREQUENCY	
Inverter Output Frequency	50.0 ± 0.1 Hz
Mains Output Frequency	Same as Input
OUTPUT WAVEFORM	
Output Waveform in Mains Mode	Same as Input
Output Waveform in Inverter Mode	Quasi Sine Wave
with Soft Start	
Full Load At	46.0 A ± 3.0 A DC Current (4 Tube + 4 Fan) or (1 TV + 4 Tube + 3 Fan)
BATTERY LOWER VOLTAGE CUT	10.2 V ± 0.2V (Depending on Load)

Specifications are subject to change without prior notice.

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BATTERY CHARGING	
Pwm Controlled SCR Charging with Soft Start Over full range of mains 150 V to 280 V.	
Maximum Charging Current Limit (NC Mode)	9.0 A ± 1.0 A
Maximum Charging Current Limit (HC Mode)	13 A ± 1.0A
Minimum Charging Current Limit	1.0 A ± 0.5 A (Float Charge)
Top Charging Voltage Limit	13.9V ± 0.2 V
Battery Charged Upper Voltage Limit	13.6 V ± 0.2V
OVER LOAD AND SHORT CIRCUIT PROTECTION	
Over Load Protection with	105%-120% Load (5-40 SEC)
8-Times Auto-Reset Feature	120%-150% Load (2-10 SEC)
	150%-200% Load (1-4 SEC)
Short Circuit Protection with	>200% Load (FEW MSEC)
4-Times Auto-Reset Feature	O/P L/N Short (FEW MSEC)
LED DISPLAY OF DIFFERENT MESSAGES AND FAULTY CONDITIONS	
Mains On (Continues On)/Mains Fuse Blown (Blinking)	
Battery Charging / Charged	
Inverter On	
Battery Low	
Over Load/Short Circuit	
OTHER FEATURES	
Inverter On/Off Switch Sensing	
Mains Fuse Blown Sensing	
Automatic Switching from Mains to Inverter and Vice Versa.	
Indication of System Protection Conditions with Different Tone Through Buzzer	

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