

TORQUE 1500VA/24VDC DIGITAL HOME UPS

TECHNICAL SPECIFICATION

CAPACITY	1500 VA
VOLTAGE LIMITS	
MAINS UPS MODE (SWITCH POSITION TOWARDS UPS MODE)	
Mains A.C Low Cut	185 ± 10V
Mains A.C Low Cut Recovery	190 ± 10V
Mains A.C High Cut	265 ± 10V
Mains A.C High Cut Recovery	260 ± 10V
CHANGE OVER TIME *	
Mains to Inverter	<15ms
MAINS W-UPS MODE (SWITCH POSITION TOWARDS W-UPS MODE)	
Mains A.C Low Cut	105 ± 10V
Mains A.C Low Cut Recovery	120 ± 10V
Mains A.C High Cut	285 ± 10V
Mains A.C High Cut Recovery	275 ± 10V
CHANGE OVER TIME *	
Mains to Inverter	<40ms
Mains Output Frequency (45Hz - 55 Hz)	Same as Input
INVERTER MODE	
Output Voltage Range with Specified Load	175V - 250V
Inverter Output Frequency	50.0 ± 0.1 Hz
No Load Current	<1A
Full Load At	47.0 A ± 3.0 A DC Current
BATTERY LOWER VOLTAGE CUT	20.4V ± 0.4V (Depending on Load)
OUTPUT WAVEFORM	
Output Wave form in Mains Mode	Same as Input
Output Wave form in Inverter Mode with Soft Start	Quasi Sine Wave

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BATTERY CHARGING	
PWM Controlled SCR Charging with Soft Start Over Full Range of Mains 140V to 280V.	
Maximum Charging Current Limit (NC Mode)	9.0A ± 1.0A
Maximum Charging Current Limit (HC Mode)	13A ± 1.0A
Minimum Charging Current Limit	1.0 A ± 0.5 A (Float Charge)
Top Charging Voltage Limit	28.4V ± 0.04V
Battery Flot Voltage Limit	27.4V ± 0.4V
OVER LOAD AND SHORT CIRCUIT PROTECTION	
Overload Protection with 8 -Times Auto-Reset Feature	105% -120% Load (5-40 SEC) 120% -150% Load (2-10 SEC) 150% -200% Load (1-4 SEC)
Short Circuit Protection with 4 -Times Auto-Reset Feature	>200% Load (FEW MSEC) O/P L/N Short (FEW MSEC)
GRAPHICAL 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	