

## TORQUE 850VA/12VDC DIGITAL HOME UPS

### TECHNICAL SPECIFICATION

<b>CAPACITY</b>	850VA
<b>MAINS UPS MODE (SWITCH POSITION TOWARDS UPS MODE)</b>	
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
<b>CHANGE OVER TIME *</b>	
Mains to Inverter	<15ms
<b>MAINS W-UPS MODE (SWITCH POSITION TOWARDS W-UPS MODE)</b>	
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
<b>CHANGE OVER TIME *</b>	
Mains to Inverter	<40ms
<b>INVERTER MODE</b>	
Output Voltage Range with Specified Load	175V - 260V
<b>OUTPUT FREQUENCY</b>	
Inverter Output Frequency	50.0 ± 0.1 Hz
Mains Output Frequency	Same as Input
<b>OUTPUT WAVEFORM</b>	
Output Wave form in Mains Mode	Same as Input
Output Wave form in Inverter Mode with Soft Start	Quasi Sine Wave
Full Load At	46.0A ± 3.0 A DC Current
<b>BATTERY LOWER VOLTAGE CUT</b>	10.2V ± 0.2V (Depending on Load)

Specifications are subject to change without prior notice.

## TORQUE 850VA/12VDC DIGITAL HOME UPS

### TECHNICAL SPECIFICATION

<b>BATTERY CHARGING</b>	
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	1.0A ± 0.5 A (Float Charge)
Top Charging Voltage Limit	13.9V ± 0.2V
Battery Charged Upper Voltage Limit	13.6V ± 0.2V
<b>OVER LOAD AND SHORT CIRCUIT PROTECTION</b>	
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)
<b>LED DISPLAY OF DIFFERENT MESSAGES AND FAULTY CONDITIONS</b>	
Mains On (Continues On)/Mains Fuse Blown(Blinking)	
Battery Charging / Charged	
Inverter On	
Battery Low	
Over Load/Short Circuit	
<b>OTHER FEATURES</b>	
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	

Specifications are subject to change without prior notice.