



MODEL : 650VA/12VDC DIGITAL HOME UPS ASTRIX-650

CAPACITY => 650 VA
MAINS UPS MODE (SWITCH POSITION TOWARDS UPS MODE)

MAINS A.C LOW CUT => 185 ± 10 V
MAINS A.C LOW CUT RECOVERY => 190 ± 10 V
MAINS A.C HIGH CUT => 265 ± 10 V
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 ± 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 ± 10 V

CHANGE OVER TIME *
MAINS TO INVERTER ~ <40ms

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 WAVE FORM

OUTPUT WAVE FORM IN MAINS MODE => SAME AS INPUT
OUTPUT WAVE FORM IN INVERTER MODE
WITH SOFT START => QUASI SINE WAVE
NO LOAD CURRENT => <2.2A
FULL LOAD AT => 40.0 A ± 2.0 A DC CURRENT

BATTERY LOWER VOLTAGE CUT => 10.2 V ± 0.2V (Depending on Load)

Prepared By :

Approved By:



**SU-KAM
POWER SYSTEMS LTD.
TECHNICAL SPECIFICATIONS**

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BATTERY CHARGING

PWM CONTROLLED SCR CHARGING WITH SOFT START OVER FULL RANGE OF MAINS 140V TO 280 V.

MAXIMUM CHARGING CURRENT LIMIT	⇒	9.0 A ± 1.0 A
MINIMUM CHARGING CURRENT LIMIT	⇒	1.5 A ± 0.5 A (FLOAT CHARGE)
TOP CHARGING VOLTAGE LIMIT	⇒	14.2 V ± 0.2 V
BATTERY CHARGED UPPER VOLTAGE LIMIT	⇒	13.6 V ± 0.2 V (FLOAT VOLTAGE)

OVER LOAD AND SHORT CIRCUIT PROTECTION

OVERLOAD 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	>300% 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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