

Mega+

PURE SINE WAVE
COMMERCIAL UPS SERIES

TECHNICAL SPECIFICATIONS

MODEL	MEGA+										
VA RATING	900	1100	1250	1500	1600	2000	2500	3500	3500	4000	5000
DC BUS	12V	12V	12V	12V	24V	24V	24V	24V	48V	48V	48V
BULB LOAD in WATT	630 WATT	800 WATT	875 WATT	1020	1280 WATT	1600 WATT	2000 WATT	2600 WATT	2800 WATT	3200 WATT	4000 WATT
NO LOAD CURRENT	< 1.8 A					< 1.8 A					
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC					< 240VAC @24.0 VDC			< 240VAC @48.0 VDC		
BATTERY LOW ALARM	10.5 ± 0.2V					21.0 ± 0.2V			42.4 ± 0.2V		
BATTERY LOW SHUTDOWN	10.3 ± 0.2V					20.6 ± 0.2V			41.6 ± 0.2V		
SHORT CIRCUIT PROTECTION	YES										
INVERTER OUTPUT FREQUENCY	50 HZ ± 0.1 Hz										
MODE	UPS MODE										
MAINS INPUT VOLTAGE RANGE	170V TO 265 V										
MAINS AC LOW CUT	170VAC ± 10VAC										
MAINS AC LOW CUT RECOVERY	180VAC ± 10VAC										
MAINS AC HIGH CUT	265VAC ± 10VAC										
MAINS AC HIGH CUT RECOVERY	255VAC ± 10VAC										
MAXIMUM CHANGE OVER TIME	< 8 msec										
MODE	WIDE UPS MODE										
MAINS INPUT VOLTAGE RANGE	70V TO 290 V										
MAINS AC LOW CUT	70VAC ± 10VAC										
MAINS AC LOW CUT RECOVERY	110VAC ± 10VAC										
MAINS AC HIGH CUT	290VAC ± 10VAC										
MAINS AC HIGH CUT RECOVERY	280VAC ± 10VAC										
MAXIMUM CHANGE OVER TIME	< 18 msec										
MODE	CHARGING MODE										
CHARGING CURRENT @ 220V AC	15-18A	5/10/15/25 A ± 3A									
BOOST VOLTAGE (TUBULAR MODE)	14.4V ± 0.2V					28.8V ± 0.4V			57.6V ± 0.8V		
BOOST VOLTAGE (LEAD ACID MODE)	14.0V ± 0.2V					28.0V ± 0.4V			56V ± 0.8V		
BOOST MODE (ENABLE TUBULAR MODE)	14.8V ± 0.2V					28.8V ± 0.4V			57.8V ± 0.8V		
BOOST MODE (ENABLE LEAD ACID MODE)	13.8V ± 0.2V					27.8V ± 0.4V			56.8.0V ± 0.8V		
FLOAT VOLTAGE	13.6V ± 0.2V					27.2V ± 0.4V			54.4V ± 0.8V		
SHORT CIRCUIT	YES										
PROTECTIONS											
BATTERY LOW CUT OFF	1 TIME										
OVERLOAD (AUTO RETRIES)	4 TIME										
SHORT CIRCUIT (AUTO RETRIES)	3 TIME										
OVER TEMPERATURE	3 TIME										
BATTERY OVER CHARGE	YES										
INPUT PROTECTION	YES (MAINS MCB TRIP incase of short circuit in MAINS MODE)										
ENVIRONMENT											
STORAGE TEMPERATURE	0 TO ± 40 C										
OPERATING TEMPERATURE	0 TO ± 40 C										
HUMIDITY	0-95% NON-CONDENSNG										
ACOUSTIC NOISE (at 1 mts)	< 45dB from 1 METER										
PROTECTION GLASS	IP-20										
RECOMMENDATIONS											
INPUT WIRE in Sq mm	1SQMM					4 SQ MM			6 SQ MM		8 SQMM
OUTPUT WIRE in Sq mm	N.A	N.A			2.5 SQ MM			4 SQ MM		6 SQMM	
BATTERY WIRE in Sq mm	8 SQMM	10 SQMM	12 SQMM	25 SQMM	10 SQMM	12 SQMM	16SQMM	25 SQMM	16 SQMM		25 SQMM
OUTPUT SOCKET	6 AMP	16 AMP					N.A				
INPUT/OUTPUT PLUG	6 AMP	16A ISI MARKED					N.A				
INPUT TERMINAL BLOCK (N E L)	N.A					30 AMP (T B)					
OUTPUT TERMINAL BLOCK (N E L)	N.A					30 AMP (T B)					
AC MCB (LOAD AT MAINS BYPASS MODE)	N.A	10 AMP			16 AMP	20 AMP	25 AMP	32 AMP	32 AMP		
BATTERY / DC MCB	N.A								63 AMP DC 2 POLE		
BYPASS MODE	ELECTRONIC BYPASS								MANNUAL ROTARY TYPE		
DC FUSE RATING (FOR REVERSE POLAIRTY PROTECTION)	40 A X 3 Nos										40A x 4 Nos