

TECHNICAL SPECIFICATION

MODEL - BOOM 2000VA

PARAMETERS	2000VA
BACKUP MODE	
Output voltage	220VAC \pm 5%
Output frequency	50Hz \pm 0.2 Hz
Output waveform	Pure Sine Wave \leq 5% THD
No Load current	1.3 \pm .3Amp.
Capacity Resistive Bulb Load	Approx. 1300Watt
Discharging current @ full load	58 \pm 2Amp.
Low Battery Warning	21.6V \pm 0.2V
Low Battery Cut	20.8V \pm 0.2V
Change over time UPS mode	< 10msec
Change over time WUPS mode	< 25msec
Short circuit	System Shut down in 3 tries
MAINS MODE	
Mains AC low cut UPS mode	175VAC \pm 10VAC
Mains AC low cut recovery UPS mode	185VAC \pm 10VAC
Mains AC high cut UPS mode	265VAC \pm 10VAC
Mains AC high cut recovery UPS mode	255VAC \pm 10VAC
Mains AC low cut WUPS mode	90VAC \pm 10VAC
Mains AC low cut recovery WUPS mode	110VAC \pm 10VAC
Mains AC high cut WUPS mode	295VAC \pm 10VAC
Mains AC high cut recovery WUPS mode	285VAC \pm 10VAC
Input Frequency Range	40HZ to 60HZ
Voltage Output in Mains Mode	Same as input
Frequency Output in Mains Mode	Same as input
BATTERY	
LA/TUB	
DC input voltage	24V
Battery Qty. 12V 100Ah-220Ah	2
Float charging voltage	27.4V \pm 0.2V
Boost volt. for TUB and SMF battery	28.6V + 0.4V
Boost charging voltage for LA Battery	28V \pm 0.2V
Charging current I/Prange(90V-295V)AC	5A-15A
PV MODE	
Input PV voltage range	28-54V
Maximum PV charging current	50amp.
Panel capacity	1500W
High PV range	55v
Reverse PV	Protection given
PROTECTION	
Overload in backup mode	100% load can run continuously, but at more than 200% load system will shut down within (10-15)seconds
Overload in backup mode	System will shut down within 5 tries
Short Circuit in Mains Mode	System will show mains fuse blown indication
Over temperature	Above 100°C temprature system will shut down
Reverse Battery	DC fuse will blown