

PARAMETERS	500VA (BOOM)
BACKUP MODE	
Output voltage	220VAC $\pm 5\%$
Output frequency	50Hz ± 0.2 Hz
Output waveform	Pure Sine Wave $\leq 5\%$ THD
No Load current	1.3 $\pm .3$ Amp.
Capacity Resistive Bulb Load	350Watt
Discharging current @ full load	30 ± 2 Amp.
Low Battery Warning	10.8V ± 0.2 V
Low Battery Cut	10.6V ± 0.2 V
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 ± 10 VAC
Mains AC low cut recovery UPS mode	185VAC ± 10 VAC
Mains AC high cut UPS mode	265VAC ± 10 VAC
Mains AC high cut recovery UPS mode	255VAC ± 10 VAC
Mains AC low cut WUPS mode	90VAC ± 10 VAC
Mains AC low cut recovery WUPS mode	110VAC ± 10 VAC
Mains AC high cut WUPS mode	295VAC ± 10 VAC
Mains AC high cut recovery WUPS mode	285VAC ± 10 VAC
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	12
Battery Qty. 12V 100Ah-220Ah	1
Float charging voltage	13.5V ± 0.2 V
Boost volt. for TUB and SMF battery	14.5V ± 0.2 V
Boost charging voltage for LA Battery	14V ± 0.2 V
Charging current I/Prange(90V-295V)AC	5A-12A
PV MODE	
Input PV voltage range	15v-24V
Maximum PV charging current	25amp.
Panel capacity	500W
High PV range	25v ± 2 V
Reverse PV	Protection given
PROTECTIONS	
Overload in backup mode	System will run 100% load continuously but more than 100% system will shut down within (1-15) seconds
Overload in backup mode	System will shut down within 3 tries
Short Circuit in Mains Mode	System will show mains fuse blown indication
Over temperature	Above 100°C temperature system will shut down
Reverse Battery	DC fuse will blown