SMARTEN®
FUSION IS THE FUTURE

PARAMETERS	2000VA(BOOM)
BACKUP MODE	
Output voltage	220VAC ±5%
Output frequency	50Hz ± 0.2 Hz
Output waveform	Pure Sine Wave ≤ 5% THD
No Load current	1.3 ± .3Amp.
Capacity Resistive Bulb Load	Appprox. 1300Watt
Discharging current @ full load	58± 2Amp.
Low Battery Warning	21.6V±0.2V
Low Battery Cut	20.8V±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 ± 10VAC
Mains AC low cut recovery UPS mode	185VAC ± 10VAC
Mains AC high cut UPS mode	265VAC ± 10VAC
Mains AC high cut recovery UPS mode	255VAC ± 10VAC
Mains AC low cut WUPS mode	90VAC ± 10VAC
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC
Mains AC high cut WUPS mode	295VAC ± 10VAC
Mains AC high cut recovery WUPS mode	285VAC ± 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±0.2V
Boost volt. for TUB and SMF battery	28.6V + 0.4V
Boost charging voltage for LA Battery	28V±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 continously, 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