

AFRII POWER PRODUCT SPECIFICATIONS

5KVA Home UPS

MAINS MODE

1	Mains AC low cut UPS mode	175VAC±10VAC
2	Mains AC low cut recovery UPS mode	185VAC±10VAC
3	Mains AC high cut UPS mode	265VAC±10VAC
4	Mains AC high cut recovery UPS mode	255VAC±10VAC
5	Mains AC low cut WUPS mode	90VAC±10VAC
6	Mains AC low cut recovery WUPS mode	110VAC±10VAC
7	Mains AC high cut WUPS mode	295VAC±10VAC
8	Mains AC high cut recovery WUPS mode	285VAC±10VAC
9	Input frequency range	48HZ to 54HZ
10	Voltage output in Mains mode	SAME AS INPUT
11	Charging current by Grid @ 100AH-135AH setting	12A±1A
12	Charging current by Grid @ 150AH-200AH setting	15±1A
13	Frequency output in Mains mode	SAME AS INPUT

BATTERY

1	Battery type	LA/TUB/SMF
2	DC input voltage	48V
3	Battery quantity	4
4	Float voltage	54.8V±0.2V
5	Boost voltage for LA battery	56.0V±0.2V
6	Boost voltage for tubular and SMF battery	58.0V±0.2V
7	Battery deep discharge recovery	Independent charger to recover deep discharged battery

BACKUP MODE

1	Output voltage	220V+5%-10%(Untill battery low alarm)
2	Output frequency	50Hz ± 0.2Hz
3	Output waveform	Pure Sine Wave Output Supply
4	No load current	1.3A±0.2A
5	Capacity resistive bulb load	3800watt
6	Discharging current @ full load	75A±2Amp.
7	Low battery warning	43.8V±0.2V
8	Low battery cut	43.2V±0.2V
9	Changeover time in UPS mode	<10msec
10	Changeover time in WUPS mode	<25msec

PROTECTION

1	Overload in backup mode	≤100% load continuously run
2	Short circuit in Backup mode	System will shutdown after 3 retries
3	Short circuit in Mains mode	AC MCB will trip
4	Reverse Battery	DC MCB will trip
5	Over Temperature	System will indicate on LCD and through buzzer as well
6	Low battery	System will indicate on LCD and through buzzer as well