

AFRII POWER PRODUCT SPECIFICATIONS

1000VA/12V Solar PCU

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	15A±2Amp.
12	Frequency output in Mains mode	SAME AS INPUT

BATTERY

1	Battery type	LA/TUB/SMF
2	DC input voltage	12V
3	Battery quantity	1
4	Float charging voltage	13.7V±0.2V
5	Boost charging voltage for LA battery	14.0V±0.2V
6	Boost charging voltage for Tubular and SMF Battery	14.5V±0.2V
7	Battery deep Discharge Recovery	Independent charger to recover Deep discharge 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
4	No load current	1.3A±0.2A
5	Maximum Load	700Watt
6	Discharging current @ maximum load	60A±2Amp.
7	Low battery warning	10.8V±0.2V
8	Low battery cut	10.6V±0.2V
9	Change over time UPS mode	<10msec
10	Change over time WUPS mode	<25msec
11	Output voltage at full load	≥200VAC

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	Mains Fuse will Blown
4	Reverse Battery	DC fuse will blown

SOLAR CHARGE CONTROLLER

1	Solar charge controller type	PWM
2	Maximum Panel wattage can be connected	600WATT
3	Maximum PV current	25AMP.
4	Maximum input PV Voltage	25V
5	Reverse PV protection	YES provided, it will also display on LCD panel
6	Reverse current flow to PV	YES provided, it will also display on LCD panel
7	Option for Grid and battery priority	YES provided, user can set according to his choice whether to consume Grid or battery in order to save his bill.
8	Sharing of current when PV and Grid Both are available	If PV power is not sufficient to charge the battery, system will start sharing battery charging from mains