

AFRIIPOWER PRODUCT SPECIFICATIONS

10KVA STATIC INVERTER

DSP BASED IGBT BIDIRECTIONAL INVERTER

MAINS MODE

1	Mains AC low cut	175V
2	Mains AC low cut recovery mode	> 180V
3	Mains AC high cut	270V
4	Mains AC high cut recovery mode	< 265V
5	Input Frequency Range	45Hz-55Hz
6	Voltage Output in Mains Mode	Same as Input
7	Charging Current by Grid @100AH - 135AH setting	settable
8	Charging Current by Grid @150AH - 200AH setting	15A ± 1A
9	Frequency Output in Mains mode	Same as Input

BATTERY

1	Battery Type	LA/TUBULAR/VRLA
2	DC Input Voltage	120
3	Battery Quantity	10
4	Charger Type	CVCC
5	Charging Voltage	135V

BACKUP MODE

1	Output Voltage	230V + 1% - 2%(Until battery low alarm)
2	Output Frequency	50Hz ± 0.1Hz
3	Output Waveform	Pure Sinewave
5	Capacity resistive bulb load	8000 Watt
6	Discharging current @full load	80A
7	Low battery warning	108V
8	Low battery cut	105V
9	Changeover time MAINS to INV & Viceversa	≤ 20msec

PROTECTION

1	Overload in backup mode	100% load continuous
2	Short Circuit in backup mode	system will shutdown immediately
3	Short Circuit in Mains mode	Input MCB will trip
4	Common Fault - Output UV/OV, DC UV/OV	Fault indication on LCD and Buzzer
6	Low Battery	System will indicate on LCD and Buzzer

GENERAL

1	Dimension in mm	680 x 300 x 680
2	Operating Temperature	0 to 45 degree Celsius
3	Humidity	Max 95% , Non condensing
4	Bypass	Manual Bypass provided