

AFRIIPOWER PRODUCT SPECIFICATIONS

1700VA 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 | 15A±1A |
| 13 | Frequency output in Mains mode | SAME AS INPUT |

BATTERY

| | | |
|---|---|--|
| 1 | Battery type | LA/TUB/SMF |
| 2 | DC input voltage | 24V |
| 3 | Battery quantity | 2 |
| 4 | Float voltage | 27.4V±0.2V |
| 5 | Boost voltage for LA battery | 28.0V±0.2V |
| 6 | Boost voltage for tubular and SMF battery | 29.0V±0.2V |
| 7 | Battery deep discharged 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 | 1400watt |
| 6 | Discharging current @ full load | 60A±2Amp. |
| 7 | Low battery warning | 21.6V±0.2V |
| 8 | Low battery cut | 21.2V±0.2V |
| 9 | Changeover time UPS mode | <10msec |
| 10 | Changeover time 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 fuse will blown |
| 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 |