

TECHNICAL SPECIFICATION *

| DESCRIPTION | 1000VA |
|--|------------------------|
| Output voltage (no load) | 230V AC \pm 5% |
| Output frequency | 50Hz \pm 1% |
| Output waveform | Pure sine wave |
| Battery voltage | 12V DC |
| No load current (with charged battery) | 0.8Amps |
| Low battery alarm | 10.5V DC \pm 0.2% |
| Low battery trip | 10.3V DC \pm .2% |
| Peak efficiency | >90% |
| THD | < 3%(RESISTIVE LOAD) |
| UPS MODE | |
| Input voltage range | 180 – 265V AC \pm 5% |
| Maximum changeover time | < 15ms |
| NORMAL MODE | |
| Input voltage range | 120 -290V AC \pm 5% |
| Input voltage range for charging | 120 - 290V AC |
| Maximum changeover time | < 20ms |

| CHARGING FROM GRID | |
|------------------------------------|---|
| Maximum charging current | 12Amps |
| Charging cut-off (tubular battery) | 14.4V DC \pm 0.2% |
| Charging cut-off (normal battery) | 13.9V DC \pm 0.2% |
| Charger type | Current & voltage controlled (with 3 steps) |
| CHARGING FROM SOLAR | |
| Charging cut-off (tubular battery) | 14.4V DC \pm 0.2% |

| | |
|-----------------------------------|--|
| Charging cut-off (normal battery) | 13.9V DC \pm 0.2% |
| Maximum charging Current | 20Amps |
| Charging type | PWM Controlled MPPT Charger |
| PROTECTIONS | |
| Over load | 5 times retries |
| Shot circuit | 1 time retries |
| Low battery | Recycle with ON/OFF switch or mains resumes |
| Over temperature | Recycle after the normal temperature |
| DISPLAY | |
| LED/LCD | <ul style="list-style-type: none"> ➤ Mains ON/OFF ➤ Inverter ON/OFF ➤ Charging mode ➤ Over load ➤ Battery low ➤ Shot circuit |
| WEIGHT & DIMENTIONS | |
| Height | 100mm |
| width | 250mm |
| length | 180mm |
| weight | 1.5kg |
| GENERAL | |
| Operating temperature range | 0 - 45°C |
| Relative humidity | 0-95% |