



INVERTER OMEGA
1500VA – 3000VA
Off Grid VN II Series Inverter



1PH 1PH

230 VAC

POWER FACTOR 1.0



SPECIFICATION

| MODEL | OMEGA VN II 1500 | OMEGA VN II 3000 |
|---------------------------------------|--|------------------|
| PART NUMBER | TLINVOMVN15 | TLINVOMVN30 |
| RATED POWER | 1500VA/1500W | 3000VA/3000W |
| INPUT | | |
| VOLTAGE | 230 VAC | |
| SELECTABLE VOLTAGE RANGE | 170-280 VAC (FOR PERSONAL COMPUTERS) 90-280 VAC (FOR HOME APPLIANCES) | |
| FREQUENCY RANGE | 50 HZ/60 HZ (AUTO SENSING) | |
| OUTPUT | | |
| AC VOLTAGE REGULATION (BATT. MODE) | 230VAC \pm 5% | |
| SURGE POWER | 3000VA | 6000VA |
| EFFICIENCY (PEAK) BAT TO INV | 94% | |
| EFFICIENCY (PEAK) PV TO INV | 97% | |
| TRANSFER TIME | 10 MS (FOR PERSONAL COMPUTERS) 20 MS (FOR HOME APPLIANCES) | |
| WAVEFORM | PURE SINE WAVE | |
| SOLAR CHARGER & AC CHARGER | | |
| MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE | 450 VDC | |
| MAXIMUM PV ARRAY POWER | 2000W | 3000W |
| MPP RANGE @ OPERATING VOLTAGE | 120 ~ 450 VDC | |
| MAXIMUM SOLAR CHARGE CURRENT | 80A | |
| MAXIMUM AC CHARGE CURRENT | 60A | |
| MAXIMUM CHARGE CURRENT | 80A | |
| MAXIMUM EFFICIENCY | 98% | |





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| BATTERY | | |
|------------------------------|--|--------|
| BATTERY VOLTAGE | 12 VDC | 24 VDC |
| FLOATING CHARGE VOLTAGE | 13.5 VDC | 27 VDC |
| OVERCHARGE PROTECTION | 16 VDC | 33 VDC |
| PHYSICAL | | |
| DIMENSION W X D X H (MM) | 348 X 270 X 95 | |
| NET WEIGHT (KG) | 4.5 | 5 |
| NET WEIGHT (KG) | RS232/WIFI OPTIONAL | |
| OPERATING ENVIRONMENT | | |
| HUMIDITY | 5% TO 95% RELATIVE HUMIDITY (NON-CONDENSING) | |
| OPERATING TEMPERATURE | 0°C TO 55°C | |
| STORAGE TEMPERATURE | -15°C TO 60°C | |

