



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	

