



INVERTER OMEGA

3200VA – 5500VA

Off Grid **VN II** Series Inverter



1PH 1PH

230 VAC

POWER FACTOR 1.0



SPECIFICATION

MODEL	OMEGA VN II 3200	OMEGA VN II 5500
PART NUMBER	TLINVOMVN32	TLINVOMVN55
RATED POWER	3200VA/3200W	5500VA/5500W
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 ± 5%	
SURGE POWER	6400AV	11000VA
EFFICIENCY (PEAK) BAT TO INV	93.5%	
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	500 VDC	
MAXIMUM PV ARRAY POWER	5500W	5500W
MPP RANGE @ OPERATING VOLTAGE	120 ~ 450 VDC	
MAXIMUM SOLAR CHARGE CURRENT	100A	
MAXIMUM AC CHARGE CURRENT	80A	
MAXIMUM CHARGE CURRENT	100A	
MAXIMUM EFFICIENCY	98%	





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BATTERY		
BATTERY VOLTAGE	24 VDC	48 VDC
FLOATING CHARGE VOLTAGE	27 VDC	54 VDC
OVERCHARGE PROTECTION	33 VDC	63 VDC
PHYSICAL		
DIMENSION W X D X H (MM)	348 X 270 X 95	
NET WEIGHT (KG)	4.5	5
COMMUNICATION INTERFACE	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	
FEATURE		
BMS	YES	
TWO OUTPUTS FUNCTION	NO	
PARALLEL FUNCTION	NO	

