

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			
MAXMUM 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	