

INVERTER OMEGA

8000VA – 11000VA
Off Grid **VR II** Series Inverter


1PH 1PH
230 VAC
POWER FACTOR 1.0


SPECIFICATION

MODEL	OMEGA VR III 8000		OMEGA VR III 11000
PART NUMBER	TLINVOMVR80		TLINVOMVR11
RATED POWER	8000VA/8000W		11000VA/11000W
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	16000VA	22000VA	
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	450 VDC		
MAXIMUM PV ARRAY POWER	4000W	4000W	
MPP RANGE @ OPERATING VOLTAGE	120 ~ 450 VDC		
MAXMUM SOLAR CHARGE CURRENT	120A		
MAXIMUM AC CHARGE CURRENT	120A		
MAXIMUM CHARGE CURRENT	120A		
MAXIMUM EFFICIENCY	98%		

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BATTERY		
BATTERY VOLTAGE	48 VDC	48 VDC
FLOATING CHARGE VOLTAGE	54 VDC	54 VDC
OVERCHARGE PROTECTION	60 VDC	60 VDC
BATTERY TYPE	LITHIUM - LEAD ACID	
PHYSICAL		
DIMENSION W X D×H (MM)	348 X 270 X 95	
NET WEIGHT (KG)	21	29
OPERATING ENVIRONMENT		
HUMIDITY	0 ~ 95% (NON-CONDENSING)	
OPERATING TEMPERATURE	0°C TO 55°C	
STORAGE TEMPERATURE	-15°C TO 60°C	
DISPLAY AND COMMUNICATION		
DISPLAY	LCD	
INTERFACE	RS485 , CAN + OPTIONAL : WIFI , BLUETOOTH	
SAFETY STANDERD	EN/IEC 62109-1,EN/IEC 62109-2	
PROTECTION & FEATURE		
AC OVERCURRENT	YES	
AC OVERVOLTAGE	YES	
Over – heat protection	YES	
Smart load management	YES	
BMS	YES	
Two outputs function	YES	
Parallel function	YES	