SUNTEX
SOLAR ENERGY

SOLAR
SMART POWER SOURCE



VM III TRI 4.5KW/ 6.5KW

VM III TRI series
Off-Grid Inverter

- Dual inputs and three outputs for smart energy management
- Maximum PV input current 40A
- Built-in Wi-Fi for mobile monitoring and OTA firmware
- Supports USB (Type-C) On-the-Go function for exporting log and firmware upgrade
- Reserved communication port for BMS
- Built-in external CT sensor to guarantee 100% self-consumption
- Battery independent design
- Built-in 120A MPPT solar charger
- Built-in anti-dust kit

SUNTEX
SOLAR ENERGY

SOLAR
SMART POWER SOURCE

VM III TRI series Off-Grid Inverter

MODEL	Axpert VM III TRI 4.5KW	Axpert VM III TRI 6.5KW
RATED POWER	4500VA/4500W	6500VA/6500W
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	9000VA	13000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	6500W	8500W
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current	40A	
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	120A	120A
Maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	131 x 336 x 435.5	
Net Weight (kgs)	11.8	12.8
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
STANDARD		
Compliance Safety	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12	

Product specifications are subject to change without further notice.