

SIMTEK®

MPPT SOLAR INVERTER

Crop The Green Energy

- > Max PV Input Current 27 Amps
- > Supports 600W Plus Solar Panels
- > Three Color (RGB) Touch Screen LCD Front Panel
- > Dual Output for Heavy & Light Load Management
- > Work With / Without Battery
- > 120 Amps Mppt Solar Charger
- > Lithium Battery Supported Via BMS Port
- > Built In Wi-Fi Mobile APP Monitoring
- > Built In Anti-Dust Kit

SIMRON

SERIES (DUAL)



Max PV Input
Current 27 Amps



Max Charging
120 Amps



Works With &
Without Battery



Supports 600W Plus
Solar Panels



Lithium Battery
Supported Via
BMS Port



Built in Wi-Fi Mobile
App Monitoring



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MODEL	VM IV- 4000 TWIN
Rated Power	4000VA/4000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC or 90 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	8000 VA
Efficiency (Peak)	93 %
Transfer Time	10 ms Or 20 ms
Waveform	Pure Sine Wave
Dual Output	Yes
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Over Charge Protection	33 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5000W
Maximum PV Input Current	27A
Mpp Operating Voltage Range	60 - 450 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	100 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	119 x 313.6 x 457.5
Net Weight (kg)	10
Communication Interface	USB/RS-232/RS485/Wi-Fi/Dry Contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10 to 50° C