

# 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



www.simteku.com.pk

MODEL	VM IV- 4000 TWIN
Rated Power	4000VA/4000W
<b>INPUT</b>	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC or 90 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto Sensing)
<b>OUTPUT</b>	
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
<b>BATTERY</b>	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Over Charge Protection	33 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
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
<b>PHYSICAL</b>	
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
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10 to 50° C