Wadi VM Off-Grid Inverter

- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Battery independent design

Built-in 80A and 100A MPPT solar charger for 1.2K/2.5K/ 3K Plus and 3K/5K respectively

Battery equalization function to optimize battery performance and extend lifecycle

- Built-in anti-dust kit for harsh environment (only for 3K/5K models)

Operation without battery

Wadi VM Off-Grid Inverter Selection Guide

MODEL	Wadi VM 1200-12	Wadi VM 2500-24	Wadi VM 3000-24	Wadi VM 3000-24	Wadi VM 5000-48
RATED POWER	1200VA/1200W	2500VA/2500W	3000VA/3000W	3000VA / 3000W	5000VA / 5000W
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	2400VA	5000VA	6000VA	6000VA	10000VA
Efficiency (Peak)	93%				
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	32 VDC	32 VDC	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	450 VDC	500 VDC	500 VDC
Maximum PV Array Power	2000W	3000W	3000W	4000 W	5000 W
MPP Range @ Operating Voltage	60-300 VDC	60-400 VDC	60-400 VDC	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	80 A		80A	100 A	100 A
Maximum AC Charge Current	80 A		80A	100 A	100 A
Maximum Charge Current	80 A		80A	100 A	100 A
PHYSICAL					
Dimension, D x W x H (mm)	90 x 288 x 357		100 x 288 x 390	100 x 300 x 440	
Net Weight (kgs)	6.5	7.1	7.5	9	10
Communication Interface	RS232		RS232	USB/RS232 (optional USB/Dry contact)	
ENVIRONMENT					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 50°C				
Storage Temperature	-15°C to 60°C				

Product specifications are subject to change without further notice.