

Wadi VM Off-Grid Inverter



Increased PV power to 5600W and 8000W based on model

Detachable LCD control module with various communications

Maximum PV input current 40A

Dual output for smart load management

Built-in WiFi for mobile monitoring and OTA firmware upgrade

Supports USB On-the-Go function

Built-in BMS communication port

Built-in meter calibration for optimized system operation

Battery independent design

Built-in anti-dust kit

Wadi VM Off-Grid Inverter Selection Guide

MODEL	VM 4000 - PV 5600		VM 6000 - PV 8000
RATED POWER	4000VA/4000W		6000VA/6000W
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 ± 10%		
Surge Power	8000VA	12000VA	
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	5600W	8000W	
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	100A	100A	
Maximum Charge Current	120A	120A	
PHYSICAL			
Dimension, D x W x H (mm)	115 x 300 x 435		
Net Weight (kgs)	9	10	
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		

Product specifications are subject to change without further notice.