



Off-Grid Inverter  
with Charger

# Argon Series

Operation without battery



Intelligent Load  
Management



Batteryless  
Operation



BMS

Models:

Argon VM II 1.2K - 12 Vdc  
Argon VM II 2.5K - 24 Vdc

Argon VM II 3K - 24 Vdc  
Argon VM II 5K - 48 Vdc



Easy-to-install

- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range



Reliable

- Battery independent design
- Maximum charging current 100A
- Built-in anti-dust kit



User-friendly

- Battery equalization function to optimize battery performance and extend lifecycle

# Technical Data Sheet

Off-Grid Inverter

MODEL	Argon VM II 1.2K - 12 Vdc	Argon VM II 2.5K - 24 Vdc	Argon VM II 3K - 24 Vdc	Argon VM II 5K - 48 Vdc
Rated Power	1200VA/1200W	2500VA/2500W	3000VA/3000W	5000VA/5000W
<b>INPUT</b>				
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)			
<b>OUTPUT</b>				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Surge Power	2400VA	5000VA	6000VA	10000VA
Efficiency (Peak)	93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
<b>BATTERY</b>				
Battery Voltage	12 VDC	24 VDC	48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	
Overcharge Protection	16 VDC	32 VDC	63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	500 VDC	
Maximum PV Array Power	1500W	3000W	3500W	5500W
MPP Range @ Operating Voltage	60 ~ 300 VDC	60 ~ 400 VDC		120 ~ 450VDC
Maximum Solar Charge Current	100 A			100A
Maximum AC Charge Current	80A			100A
Maximum Charge Current	100A			100A
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	90 x 288 x 357		110 x 288 x 390	120 x 300 x 440
Net Weight (kgs)	6.5	7.0	7.2	10
Communication Interface	RS232/RS485, optional WiFi			
<b>ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			