



Off-Grid Inverter  
with Charger

# Argon Series

Operation without battery



Intelligent Load  
Management



Batteryless  
Operation



Battery Management  
System

Models: Argon VM II 3500 Argon VM II 4000  
Argon VM II 4500 Argon VM II 6000



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 3500	Argon VM II 4000	Argon VM II 4500	Argon VM II 6000
Rated Power	3000VA/3000W	3000VA/3000W	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	6000VA	6000VA	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	24 VDC	24 VDC		48 VDC
Floating Charge Voltage	27 VDC	27 VDC		54 VDC
Overcharge Protection	32 VDC	32 VDC		63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	450 VDC			500 VDC
Maximum PV Array Power	3500W	4000W	4500W	6000W
MPP Range @ Operating Voltage	60 ~ 400 VDC		120 ~ 450VDC	
Maximum Solar Charge Current	100 A		120 A	100A
Maximum AC Charge Current	80A		100A	100A
Maximum Charge Current	100A			100A
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	110 x 288 x 390	120 x 300 x 440		
Net Weight (kgs)	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			