



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
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	6000VA	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	24 VDC	24 VDC		48 VDC
Floating Charge Voltage	27 VDC	27 VDC		54 VDC
Overcharge Protection	32 VDC	32 VDC		63 VDC
SOLAR CHARGER & AC CHARGER				
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
PHYSICAL				
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			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			