

# Alfa Off-Grid Inverter



- Built-in boost and buck AVR
- Built-in solar charger
- User-configurable setting via LCD panel
- Compatible to AC mains or generator power
- Flexible mechanical design to suit wall-mounting and desktop
- Suitable for home appliances and personal computers
- Intelligent communication

## Alfa Off-Grid Inverter Selection Guide

MODEL	Alfa-P3000-24	Alfa-M3000-24	Alfa-P5000-48	Alfa-M5000-48
Rated Power	3000VA/2400W		5000VA/4000W	
<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 $\pm$ 5%			
AC Voltage Regulation (AVR Mode)	230VAC $\pm$ 10%			
Surge Power	6000VA		10000VA	
Efficiency (Peak)	90% ~ 93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
<b>BATTERY</b>				
Battery Voltage	24VDC		48VDC	
Floating Charge Voltage	27VDC		54VDC	
Overcharge Protection	32VDC		60VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger type	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	75VDC	100VDC	105VDC	145VDC
Maximum Solar Charge Current	50A	40A	50A	80A
Maximum AC Charge Current	30 A		60 A	
Maximum Charge Current	80A	70A	110A	140A
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	340 x 380 x 88		420 x 397 x 120	
Net Weight (kgs)	12	13	16	17
<b>ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 55°C			
Storage Temperature	-15°C to 60°C			

Product specifications are subject to change without further notice.