



Off-Grid Inverters

Smart Energy Management

Safe | Reliable | User-friendly

Why use an Off-Grid Inverter?

The Magneto inverter is a high-performance, fully automated solar inverter with Off-Grid capability. A compact single-phase energy management solution.

Energy independence for peace of mind

An Inverter's function is to convert DC (Direct Current) generated from PV (Photo Voltaic) into usable AC (Alternating Current).

The Magneto Inverter uses Solar generation to produce pure sine wave AC, and by making use of battery backup, the automated system will supply, store and distribute electricity efficiently according to your needs.

Power For Peace Of Mind



2 YEAR WARRANTY

Models: VP-3kW-24V-SP
VP-5kW-48V-SP



Pure sine wave



Output Power Factor 1



Compatible to AC Mains
or generator power



Auto-restart during AC recovery



Overload and short-circuit
protection



Cold Start function



LCD screen display



Built-in anti-dust filter

Off-Grid Inverters



MODEL	VP-3kW-24V-SP		VP-5kW-48V-SP	
Rated Power	3000VA/3000W		5000VA/5000W	
Parallel Capacity	N/A			
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		10000VA	
Efficiency (Peak)	92% ~ 93%			
Transfer Time	10 ms (For personal Computer) - 20 ms (For Home Applications)			
Waveform	Pur 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	PWM		MPPT	
Maximum PV Array Open Circuit Voltage	80 VDC		145 VDC	
Maximum PV Array Power	1200W		3000W	
MPP Range @ Operating Voltage	N/A		60 ~ 115 VDC	
Maxmum Solar Charge Current	50A		60A	
Maximum AC Charge Current	25A		60A	
Maximum Charge Current	70A		120A	
PHYSICAL				
Dimension, D X W X H (mm)	100 x 285 x 334		100 x 300 x 440	
Net Weight (kgs)	6,3		9,7	
Communication Interface	USB/RS232			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			



www.akataholdings.com