

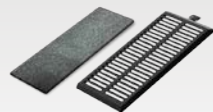
# ARM Smart Off-Grid Inverter



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



Anti-Dust Kit (optional)



### Anti-Dust Kit (Option)

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

## ARM Smart Off-Grid Inverter Selection Guide

MODEL	ARM SI 3KVA NP24	ARM SI 3KVA NM24	ARM SI 3KVA NM24 Plus	ARM SI 5KVA NP48	ARM SI 5KVA NM48
Rated Power	3000VA / 3000W			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 ± 5%				
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	24 VDC			48 VDC	
Floating Charge Voltage	27 VDC			54 VDC	
Overcharge Protection	32 VDC			63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>					
Solar Charger type	PWM		MPPT		MPPT
Maximum PV Array Open Circuit Voltage	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum Solar Charge Current	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	25 A	25 A		60 A	
Maximum Charge Current	70 A	60 A	120 A	110 A	120 A
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	100 x 285 x 334			100 x 300 x 440	
Net Weight (kgs)	6.4	6.6	11	11	13
Communication Interface	USB				
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C to 50°C				
Storage Temperature	-15°C to 60°C				

Product specifications are subject to change without further notice.

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