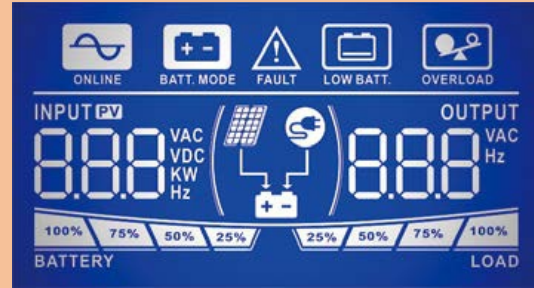


# ARM SMART INVERTER

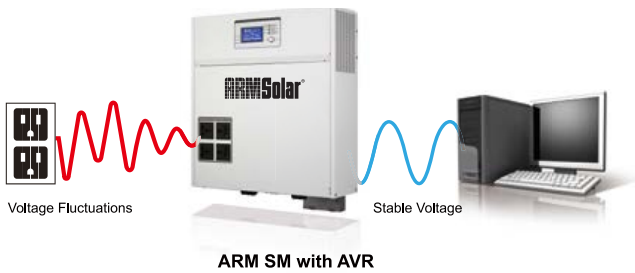


## LCD Display Panel



### • Boost and buck AVR

An inverter with built-in AVR provides clean and stable power by correcting the under or over voltages which may be harmful to your precious electronic devices.



### • Flexible mechanical design

A unique LCD panel design easily facilitates panel switch. This flexible form factor allows the inverter to be simply set on a table or easily mounted on a wall.



### • Built-in solar charger

ARM SM series offers two kinds of solar charger: PWM and MPPT solar chargers.

Model	Solar charger Type	Consideration
ARM SM-P	PWM	Cost effective
ARM SM-M	MPPT	High efficiency

### • User-configurable setting from LCD panel

ARM SM is designed to offer highly flexibility for user operation. Via LCD operation, users can configure AC/solar charging priority, battery charging current, and acceptable input voltage range.



### • Suitable for home appliances and personal computers

ARM SM inverter is designed to configure input voltage range to suite different appliances from electronic devices to sensitive computers.



### • Intelligent communication

ARM SM offers intelligent slot perfect for SNMP or USB/RS-232 serial card. Integrated with monitoring software, it provides a smart monitoring system.

### • Compatible to mains voltage or generator power

ARM SM series is able to connect to either utility or generator. This feature will expand application areas where utility is not accessible.

## ARM SMART INVERTER

MODEL	ARM SM-P3K-24	ARM SM-M3K-24	ARM SM-P5K-48	ARM SM-M5K-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>OPERATING 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