

# SolarMax® R4 Series Off-Grid Inverters Selection Guide

## Run Your Load with or without Battery

MODEL	SM-R4-M II-1.5K-24	SM-R4-M IV-3.2K-24	SM-R4-M IV-5.2K-48
Rated Power	1500VA/1500W	3200VA / 3200W	5200VA / 5200W
<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	3000VA	6400VA	10400VA
Efficiency (Peak)	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>			
Maximum PV Array Open Circuit Voltage	400 VDC	500 VDC	500 VDC
Maximum PV Array Power	2000 W	4000 W	5000 W
MPP Range @ Operating Voltage	120~380 VDC	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	60 A	80 A	80 A
Maximum AC Charge Current	40 A	60A	60A
Maximum Charge Current	60A	80A	80A
Maximum Efficiency	98%		
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	100 x 385 x 275	100 x 300 x 440	
Net Weight (kgs)	8.5	9.5	10
Communication Interface	USB/RS232		
<b>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