



- Pure Sine Wave Solar Inverter
- Output Power Factor 1
- Selectable High Power Charging Current
- Wide DC Input Range
- Selectable Input Voltage Range for Home Appliances and Personal Computers
- Compatible Generator Power Input
- Automatically Turn On After The Mains is Restored
- Overload and Short Circuit Protection
- Smart Battery Charger Design to Optimize Battery Performance and Lifecycle
- Cold Start Function

## ▼ Specifications

MODEL	Smart VML 612 / 612M		Smart VML1012 / 1012M		Smart VML1524 / 1524M	
Rated Capacity	600VA/600W		1000VA/1000W		1500VA/1500W	
<b>INPUT</b>						
Input Format	L+N+PE					
Rated Input Voltage	220/230/240VAC					
Voltage Range	170~270VAC					
Frequency Range	50Hz/60Hz(Auto Sensing)					
<b>OUTPUT</b>						
Output Format	L+N+PE					
Rated Output Voltage	220 ± 5%					
Output Frequency	50/60Hz±0.1%					
Waveform	Pure Sine Wave					
Transfer Time	≤ 10ms					
Peak Power	1200VA	2000VA		3000VA		
Overload Capacity (Battery Mode)	① LOAD<100% ± 50W, output normal ② LOAD>100% ± 50W, output shuts down after 55s ③ LOAD short-circuited, output shuts down immediately					
Peak Efficiency	>91%	>91%		>93%		
<b>BATTERY</b>						
Rated Voltage	12 VDC	12 VDC		24 VDC		
Constant Charging Voltage (Can Be Set)	14.1 VDC	14.1 VDC		28.2 VDC		
Float Charging Voltage (Can Be Set)	13.5 VDC	13.5 VDC		27 VDC		
<b>SOLAR CHARGER &amp; AC CHARGER</b>						
Solar Charger Type	/	MPPT	/	MPPT	/	MPPT
PV Maximum Input Power	/	600W	/	1000W	/	1500W
MPPT Tracking Range	/	17~80 VDC	/	17~80 VDC	/	30~80 VDC
Maximum PV Input Voltage	/	102 VDC	/	102 VDC	/	102 VDC
Maximum PV Charge Current	/	20 A	/	20 A	/	20 A
Maximum Mains Charging Current	20 A	20 A	20 A	20 A	20 A	20 A
Maximum Charging Current	20 A	40 A	20 A	40 A	20 A	40 A
<b>ENVIRONMENTAL PARAMETERS</b>						
Operating Ambient Temperature	0~40℃					
Operating Environment Humidity	20%~95% (Non-condensing)					
Storage Temperature	-15~60℃					
Altitude	< 2000m					
Noise	≤ 40db					
<b>PHYSICAL PARAMETERS</b>						
W×D×H(mm)	317×230×105					
Weight (For Reference)	3.4kg	3.9kg	3.6kg	4.1kg	3.8kg	4.3kg

Product specifications are subject to change without notice.