



>>> Features

- *Pure sine wave solar inverter*
- *Built-in 40A MPPT solar charger*
- *PV input voltage range 20-150VDC (for 1000W), 30~150VDC (for 1500W)*
- *Built-in anti-dust kit for harsh environment*
- *Smart battery charge design to optimize battery life*
- *Meet rich customized demands*
- *Solar energy is provided directly to the load first*

Product Data Sheet

Model	RT-ES1.0KW-12	RT-ES1.5KW-12
RATED POWER	1000W/1000VA	1500W/1500VA
AC Input		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal computers)	
	90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60 Hz(Auto sensing)	
AC OUTPUT		
AC Voltage Regulation	230VAC±5%	
Surge Power	2000VA	3000VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms	
BATTERY & AC CHARGER		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
Maximum AC Charge Current	40A	
SOLAR CHARGER		
Maximum PV Array Power	600W	1200W
MPPT Range @ Operating Voltage	20-150VDC	30-150VDC
Maximum PV Array Open Circuit Voltage	150VDC	
Maximum Charging Current	40A	
PHYSICAL		
Dimension,D*W*H(mm)	290*240*91	
Net Weight(kgs)	3.5	3.6
Communication interface		
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-10°C~50°C	

LCD Display

