



## >>> 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-24
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/60Hz(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	10ms	
BATTERY		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	600W	1200W
MPPT Range @ Operating Voltage	20~150VDC	30~150VDC
Maximum PV Array Open Circuit Voltage Solar	150VDC	
Maximum Solar Charging Current	40A	
Maximum AC Charging Current	40A	
Maximum Solar+AC Charging Current	80A	
PHYSICAL		
Dimension. H*W*D(mm)	290*240*91	
Cartoon Dimension ,H*W*D(mm)	340*295*145	
Net Weight(kgs)	3.5	3.6
Gross Weight(kgs)	4.0	4.2
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-10°C to 50°C	
STANDARD		
Compliance Safety	CE	

## LCD Display

