

RT-ES SERIES 1.5/2.0/2.5/3.2KW

OFF GRID ENERGY STORAGE INVETER



**BUILT IN
ANTI DUST
KIT**

**Max. Efficiency
98%**



80A MPPT

**WORKS
WITH AND WITHOUT
BATTERY**

Features

- Pure sine wave solar inverter
- Output power factor 1.0
- Wifi&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- High PV input voltage range (90~450VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- meet the rich customize needs of customers
- Compatible with lithium battery
- Solar energy is provided directly to the load first

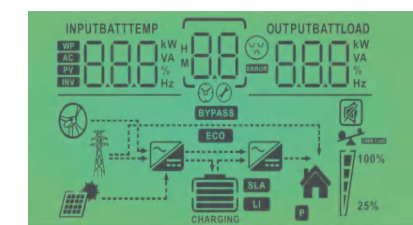
Product Data Sheet

Model	RT- ES1.5KW-12	RT-ES2.0KW-12	RT-ES2.5KW-24	RT-ES3.2KW-24
RATED POWER	1500VA/1500W	2000VA/1600W	2500VA/2500W	3200VA/3000W
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	3000VA	4000VA	5000VA	6400VA
Efficiency(Peak)PV to INV	98%			
Efficiency(Peak)Battery to INV	94%			
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)			
BATTERY & AC CHARGER				
Battery Voltage	12VDC		24VDC	
Floating Charge Voltage	13.5VDC		27VDC	
Overcharge Protection	16VDC		33VDC	
Maximum AC Charge Current	60A			
SOLAR CHARGER				
Maximum PV Array Power	2000W		3000W	
MPPT Range @ Operating Voltage	90~450VDC			
Maximum PV Array Open Circuit Voltage	450VDC			
Maximum Charging Current	80A			
PHYSICAL				
Dimension,D*W*H(mm)	350*259*90			
Net Weight(kgs)	4		5	
Communication interface	RS232/GPRS/WIFI			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non~condensing)			
Operating Temperature	-10 ~50°C			

WIFI & GPRS available for ios and Andriod

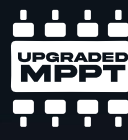


LCD Display



RT-ES SERIES 3.5/5.5KW

OFF GRID ENERGY STORAGE INVETER



Features

Pure sine wave solar inverter

Output power factor 1.0

Wifi&GPRS available for IOS and android

Inverter running without battery

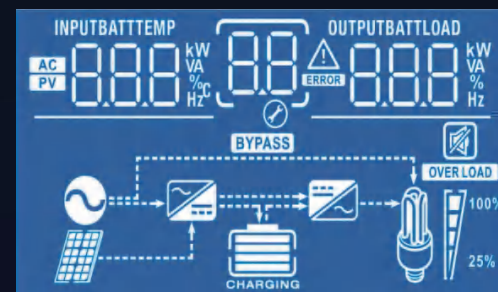
Built-in 100A MPPT solar charger

High PV input voltage range(120~450VDC)

Built-in anti-dusk kit for harsh environment

Smart battery charge design to optimize battery life

WIFI & GPRS available for ios and Andriod **LCD Display**



Product Data Sheet

Model	RT-ES3.5KW-24	RT-ES5.5KW-48
RATED POWER	3500VA/3500W	5500VA/5500W
Input		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto sensing)	
OUTPUT		
AC Voltage Regulation(Batt.Mode)	230VAC±5%	
Surge Power	7000VA	11000VA
Efficiency(Peak)PV to INV	97%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum Charge Current	80A	80A
SOLAR CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range @ Operating Voltage	120~450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	100A
Maximum Efficiency	98%	
PHYSICAL		
Dimension,D*W*H(mm)	100*300*440	
Net Weight(kgs)	11	12
Communication interface	USB/RS232/GPRS/WIFI	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	0°C~55°C	

