



»» Features

- Pure sine Wave solar inverter
- Big LCD Screen with richer content
- Two communication Ports for BMS and WiFi
- Dual AC output available for 4.2KVA and 7KVA
- RGB Lighting for different working mode
- Inverter running with or without battery
- Built-in Lithium Battery automatic activation
- Lithium battery intelligent charge control system : adjust the inverter charging current according to the battery information.
- Internal clock function for showing PV power generation and setting AC charging time and running loads time by user
- Offline software upgrade function for adding new functions and fixing software errors
- Wide PV input voltage range 55-450VDC
- Built in 80A and 110A MPPT solar charger
- WIFI available for IOS and Android

»» Product Data Sheet

MODEL	RS-2200	RS-3200	RS-4200	RS-4200	RS-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	4200VA/3800W	7000VA/6200W
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)				
Frequency Range	50Hz/60Hz(Auto sensing)				
OUTPUT					
AC Voltage Regulation(Batt.Mode)	230VAC±5%				
Surge power	4400VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)				
Wave form	Pure Sine Wave				
TWO LOAD OUTPUT POWER					
Full Load	1800W	3000W	3800W	3800W	6200W
Maximum Main Load	-	-	3800W	3800W	6200W
Maximum EPS Load (Battery mode)	-	-	1200W	1200W	2000W
Main Load Cut Off Voltage	-	-	22V	44V	44V
Main Load Return Voltage	-	-	27V	54V	54V
BATTERY & AC CHARGER					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Over charge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum charge current	60A		80A	60A	80A
SOLAR CHARGER					
MAX.PV Array Power	2000W	3000W	6000W		
MPPT Range@ Operating Voltage	55-450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A		110A	80A	110A
Maximum Efficiency	98%				
PHYSICAL					
Dimension D*W*H(mm)	405*286*98mm		423*300*120mm	423*300*120mm	
Net Weight(kgs)	5kg	5.5kg	6.8kg	6.9kg	8kg
Communication Interface	Two communication ports ,One RS485 port for BMS , Another RS485/RS232 for remote monitoring				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	-10°C to 55°C				
Storage Temperature	-15°C to 60°C				