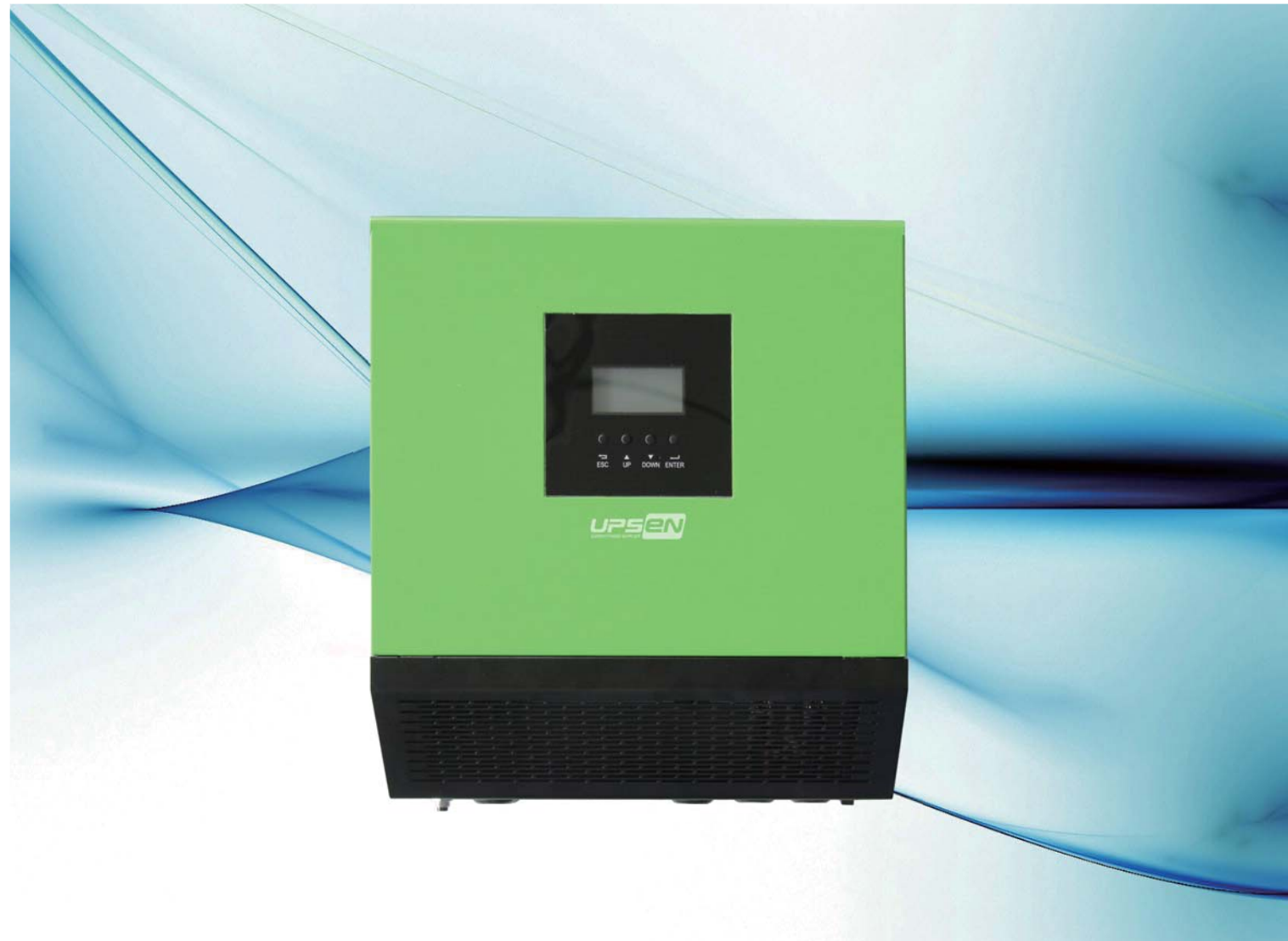


Hybrid Pure Sine Wave Inverter Controller Rainbow Star Series 1000Va-5000Va (1ph in/1ph out)

Key Features

- Pure sine wave inverter High frequency full bridge design .
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional Remote Control Panel available



Application

Supply the reliable long back up time power for the home appliances and office appliances Solar power systems etc.

Technical Specification

Technical Specification	RS1000	RS2000	RS3000	RS4000	RS5000
RATED POWER	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT					
Voltage	208/220/230/240 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90-93%	93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY & AC Charger					
Battery Voltage	24VDC			48 VDC	
Floating Charge Voltage	27VDC			54 VDC	
Overcharge Protection	30VDC			60 VDC	
Maximum AC Charge Current	20A			25 A	
SOLAR CHARGER					
Maximum PV Array Open Circuit Voltage	60VDC/150Vdc (Optional)			110VDC/150Vdc (Optional)	
Mppt Range @ Operating Voltage	25-60Vdc/25-145Vdc (Optional)			60-110Vdc/60-145Vdc (Optional)	
Maximum Solae Charge Current	25A			80A	
Max Efficiency	>96%				
Standby Power Consumption	2W				
PHYSICAL					
Dimension, D x W x H (mm)	350 x 130 x 340			380 x 130 x 465	
Net Weight (kgs)	7.4	7.6	8	12.5	13.5
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C - 55°C				
Storage Temperature	-15°C - 60°C				