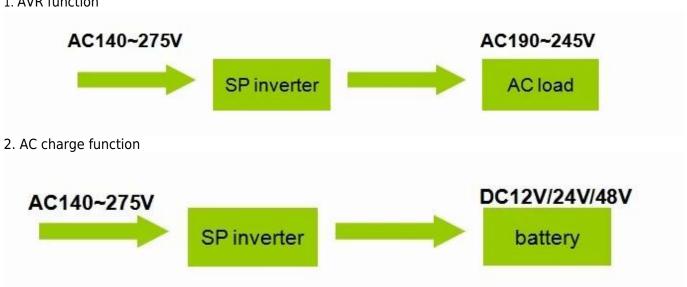
## **Connection Diagram**

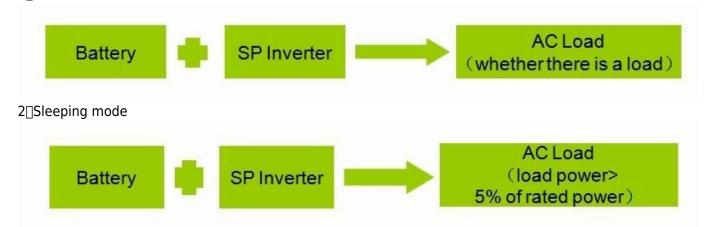


#### **Function**

1. AVR function



# 3. Inversion mode1□Normal inversion mode



4.UPS function 1∏AC first,DC Backup Mode



2□DC First,AC Backup Mode



### **Application**

- 1. Back-up UPS system for industrial, commercial, household,etc
- 2. Mobile power and standby power for areas that are lack of utility.
- 3. Off-grid solar & wind power system

#### **Features**

- 1. pure sine waveoutput, full power
- 2. CPU management and control, modular design
- 3. LCD display, can visually displayvarious parameters
- 4. Multifunction design, can set a variety ofworking mode
- 5. External batteryconnection, convenient to expand use time and back-up power time; user canconnect as many batteries as needed
- 6. With super load carrying ability and high loadcapacity, this series of inverters cannot only drive resistance load; but also various kinds of inductive loads, such as motor, air conditioner, electric drills, fluorescent lamp, gas lamp, etc. Itcan drive almost any kinds of load
- 7. Low frequency circuit design, good system stability, low failure rate andlong service life (under proper operation, it may be as long as 5 years)
- 8. Perfect protection:low voltage protection, over voltage protection, overheat protection, short-

circuitprotection, overloads protection; alarm alert

- 9. CE / EMC / LVD/ RoHS Approvals
- 10. Two yearswarranty, life-long technical supports

## **Technical parameter**

Model		500VA
Rated Output Capacity		350W
Peak Power		700W
Battery Voltage(DC)		12V/24V(optional)
Size W×D×H(mm)		335*165*375
Packing Size W×D×H(mm)		355*185*395
Net Weight (kg)		7
Gross Weight (kg)		8
General Parameter		
Working Mode	1	Utility First, Battery Standby
□Setting□	2	Sleep Mode,no utility,load's power higher than 5% of rated power, start to work automatically
	3	Battery first, utility standby
AC Input	Voltage	220V±35% or 110V+35%[optional[]
	Frequency	50Hz±3% or 60Hz±3% [optional]
AC Output	Voltage	220V±3% or 230V±3 or 240V±3% or 100V±3%
		or 110V±3% (optional)
	Frequency	50Hz±0.5 or 60Hz±0.5 (optional)
Battery charge	AC Charge Current	0~15A
	Charge Time	Depend on battery capacity and quantity
	Battery	Automatic detection, Charge and discharge
	Protection	protection,Intelligent Management
Display	Display Mode	LCD
	Display	Input voltage,output voltage,output frequency,battery
	Information	capacity,Load condition,Status Information
Output Wave Type		Pure sine wave output,waveform distortion rate≤3
Overload Ability		□120% 1 min,□130% 10s
Power	Sleep Mode	1~6W
Consumption	Normal Mode	1~3A
Conversion Efficiency		80%~90%
Transfer Time		□5ms □AC to DC / DC to AC□
Protection		Overload output,short-circuit,high-voltage input,low-
i i otection		voltage input,overheat
Environment	Temperature	-10°C <u></u> 50°C
	Humidity	10%[]90%
	Altitude	≤4000m

