

SP8000 AVR

SP AVR Series

Built-in AVR function.

Wide range of grid input for unstable electricity

Features

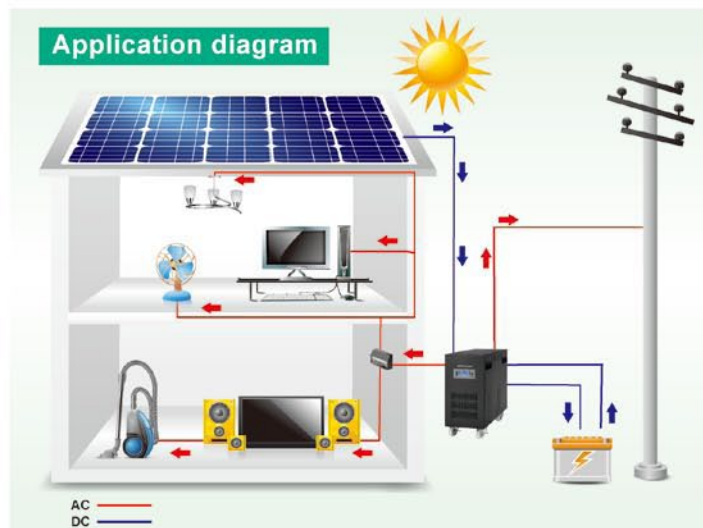
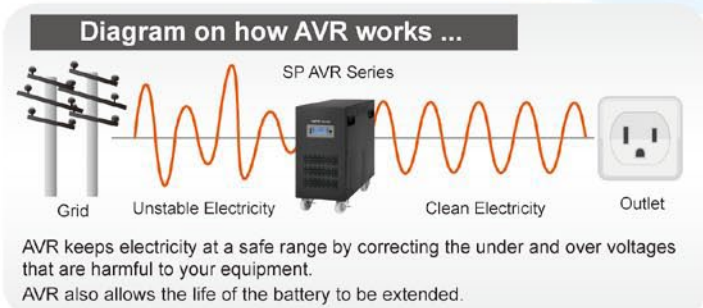
- Adjustable voltage-transfer points & charging voltage
- Automatic restart of load after inverter shutdown
- Smart AVR function (Two buck / boost modes)
- Dual AC input for main & Generator
- Wide input range 110V~360V
- Dry contact signal to trigger auto-start generator
- Cold-start capable
- Battery Temperature Sensor
- Full-functional of LCD display with Audible alarms
- Intelligent double-stage charging control; Adjustable charging current by DIP switches for different battery types
- Thermal control cooling fan
- DC/AC Isolation



Specifications

MODEL		SP8000 AVR
Rated Power		8000VA / 6000W
INPUT		
Rated Voltage		200V/220V/230V/240V Selectable
Voltage Range		110V ~ 360V
Regulation Range	Enhanced Buck	+28% of selected nominal voltage
	Buck mode	+10% of selected nominal voltage
	Boost mode	-10% of selected nominal voltage
	Enhanced Boost	-25% of selected nominal voltage
Frequency Range		50 Hz/ 60 Hz (Auto sensing)
Surge Protection		440 Joules
OUTPUT		
AC Voltage Regulation	Normal Mode	Rated Voltage \pm 12.5%
	Batt. Mode	Rated Voltage \pm 3%
Crest Factor		3:1
Efficiency (Normal mode)		97%
Transfer Time		3 ms
Over current protection		Yes
Waveform		Pure sine wave
BATTERY		
Battery Voltage		48 VDC
Floating Charge Voltage		54 VDC
Low Battery Alarm Voltage		42 VDC
Shutdown Voltage		40 VDC
Overcharge Protection		60 VDC
Maximum Utility Charging Current		40~50 A
SOLAR CHARGING (OPTIONAL)		
Maximum Power Rating		1000W
Maximum solar charge current		20A
Suggested Operating Voltage Range		60 ~ 84Vdc
Polarity Protection		Yes
COMMUNICATION		
Interface Port		RS232 or USB
Dry Contact		Yes
Battery Temperature Sensor (BTS)		Yes
Display		LCD
PHYSICAL		
Dimension (D×W×H)		560×420×240 mm
Net Weight		80kgs
OPERATING ENVIRONMENT		
Operating Altitude		0 ~ 3000 meters
Humidity		5% to 95% Relative Humidity (Non-condensing)
Operating Temperature		0°C - 40°C
Storage Temperature		-15°C - 55°C

Specifications are subject to change without notice.



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