

SP8000 AVR

## SP AVR Series

Built-in AVR function.

Wide range of grid input for unstable electricity

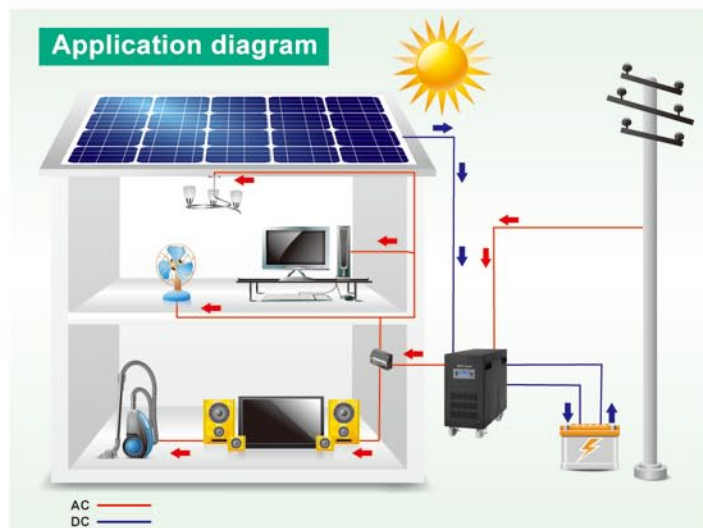
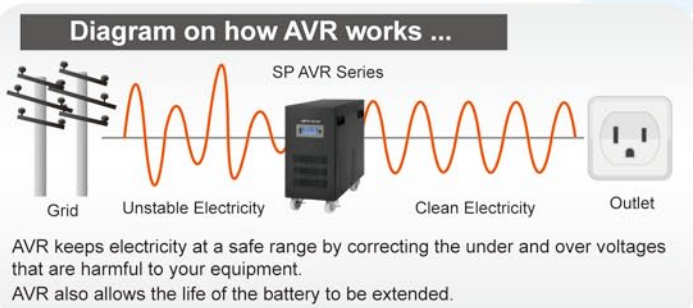
### Features

- 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
<b>INPUT</b>		
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
<b>OUTPUT</b>		
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
<b>BATTERY</b>		
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
<b>SOLAR CHARGING (OPTIONAL)</b>		
Maximum Power Rating		1000W
Maximum solar charge current		20A
Suggested Operating Voltage Range		60 ~ 84Vdc
Polarity Protection		Yes
<b>COMMUNICATION</b>		
Interface Port		RS232 or USB
Dry Contact		Yes
Battery Temperature Sensor (BTS)		Yes
Display		LCD
<b>PHYSICAL</b>		
Dimension (D×W×H)		560×420×240 mm
Net Weight		80kgs
<b>OPERATING ENVIRONMENT</b>		
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.

OPTI-Solar Asia:  
Tel: +886-2-2246-7272  
Fax: +886-2-2246-7312  
info@opti-solar.com

OPTI-Solar USA:  
Tel: +1-909-869-5700  
Fax: +1-909-869-5730  
info@opti-solar.com

OPTI-Solar Middle East:  
Tel: +9714-8819-838  
Fax: +9714-8819-938  
info@opti-solar.com

OPTI-Solar Europe B.V.:  
Tel: +31-40-2628057  
Fax: +31-402546006  
info@opti-solar.com