

SP5000 ~ 8000-SW

## SP-SW Series

Strong DC/AC transformer design with higher efficiency, enjoy the stability and reliability all the time.



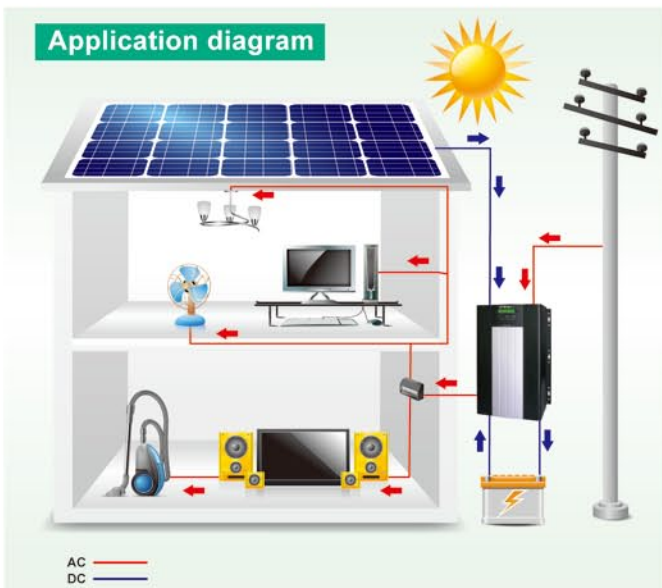
### Features

- Compatible with both linear and non-linear load
- Controllable & Removable panel with LCD
- DC start and automatic self-diagnostic function
- Designed to operate under harsh environment
- Heat dissipation design
- 3U 19" Rack-Mounted Design or Wall-Mounted Design
- Pre-settable Parameters
- 24hrs operation under inverter mode
- THD less than 3%
- DC/AC transformer design

### Specifications

MODEL	SP5000-SW	SP6000-SW	SP8000-SW
<b>CAPACITY</b>			
VA / Watt	5KVA/4000W	6KVA/6000W	8KVA/8000W
<b>AC INPUT (FROM ARRAY)</b>			
Nominal Voltage	120 Vac or 230 Vac		230 Vac
Voltage Range	Acceptable Voltage Range	60~135 Vac or 120~270 Vac	120~270 Vac
	Low Voltage Transfer	60 Vac $\pm 2\%$ ; 120 Vac $\pm 3\%$	120 Vac $\pm 2\%$
	Low Voltage Return	65 Vac $\pm 2\%$ ; 130 Vac $\pm 3\%$	130 Vac $\pm 2\%$
	High Voltage Transfer	135 Vac $\pm 2\%$ ; 270 Vac $\pm 3\%$	270 Vac $\pm 2\%$
High Voltage Return	130 Vac $\pm 2\%$ ; 260 Vac $\pm 3\%$	260 Vac $\pm 2\%$	
Frequency	50Hz or 60Hz		
<b>DC INPUT (FROM ARRAY)</b>			
Nominal Voltage	24V	48V	
Charger Voltage	27.6V	55.2V	
Solar Maximum Peak Voltage	50V	100V	
Start-up Voltage	24V	44V	
Polarity Protect	Yes		
Backflow Protect	Yes		
Maximum Charge Current	40A		
<b>OUTPUT</b>			
Voltage	110/115/120Vac		220/230/240Vac
	220/230/240Vac		
Voltage Regulation(Battery Mode)	<3% RMS for entire battery voltage range		
Frequency Regulation	Line Mode	Synchronized to AC Main	
	Battery Mode	50Hz or 60Hz $\pm 0.1\text{Hz}$	
Power Factor	0.8	1	
Wave Form	Pure Sine Wave		
Overload Protection	Line Mode	>110%, then buzzer alarms and amber LED blinks continuously	
	Battery Mode	110%~150% for 30 sec ; >150% for 200ms	
Short Circuit Protection	Line Mode	Circuit Breaker	
	Battery Mode	Electronic Circuit	
<b>TRANSFER TIME</b>			
Typical	< 8 ms.		
Battery Voltage	24Vdc	48Vdc	
Backup Time	Depends on system load and battery capacity (Base on the batteries connected)		
Selectable Charging Current	Yes		
<b>DISPLAY</b>			
LCD	UPS status, I/P&O/P Voltage Frequency, Load Level, Battery Voltage & Level, Temperature, Model		
LED	Normal (Green), Warning (Amber), Fault (Red)		
<b>AUDIBLE ALARM</b>			
Battery Mode	Beeping every 4 seconds		
Low Battery	Beeping every second		
UPS Fault	Beeping continuously		
Overload	Beeping twice per second		
<b>ENVIRONMENT</b>			
Operation Temperature	0~40°C ; 32~104°F		
Relative Humidity	0~95% non-condensing		
Audible Noise	Less than 55dBA (at 1M)		
<b>PHYSICAL</b>			
Weight (Net / Gross)	49.2kgs / 63kgs	51.4kgs / 66.6kgs	53.6kgs / 67.7kgs
Dimensions (W×H×D)	415×600×260mm	415×600×260mm	415×600×260mm
<b>ACCESSORY</b>			
RS232 or SNMP	Optional		

Specifications are subject to change without notice.



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