

## STERLING OPTIMA

### PSW (S) 1200 - 12

**PSW (S) 2400 - 24**

**PSW (S) 3600 - 24**

**PSW (S) 5000 - 24**

**PSW (S) 8000 - 48**

**PSW (S) 10000 - 48**



### Key Features:

- Un-Limited load applicability
- Un-Limited batteries backup time
- 24 hours operation on the inverter
- parameter Pre-settable
- support solar panel
- high efficiency design to save electricity
- Low heat dissipation in long time operation
- DC Start and automatic self-diagnostic function
- Multi-stage charger supports batteries up to 600Amp
- Low DC Voltage supports Office and Home appliance
- Designed to operate under harsh environment
- Optional Multiple interfaces cards available
- Compatible with both linear & non-linear load
- Controllable & Removable panel with LCD

### Character:

- LCD Display
- Microprocessor based design
- Heat-Sink built in internal
- Soft start
- AVR design
- Input and Output Isolated
- Auto temperature control fan
- Reverse polarity protection/by fuse/diodes
- Output short circuit protection
- Temperature protection
- Overload protection
- Input low voltage protection
- Input high voltage protection
- Low battery alarm
- Low battery shut-down

Model	Mode	PSW 2400-12	PSW 2400-24	PSW 3600-24	PSW 5000-24	PSW 8000-48	PSW 10000-48		
Capacity	V/A Watt	1.2kVA (800W)	2.4KVA (1600W)	3.6KVA (2400W)	5.0KVA (4000W)	8KVA (6000W)	10KVA 8000W		
Input	Nominal Voltage	230Vac/120Vac					230Vac (only)		
	voltage Range	Acceptable Voltage range	120Vac-270VAc / 60Vac-135Vac					120Vac-270Vac	
		Frequency	50Hz / 60Hz (45Hz-70Hz)						
		Line low Transfer	120Vac +/- 2%; 60Vac +/- 2%					120Vac +/- 2%	
		Line Low Return	130Vac +/- 2%; 65Vac +/- 2%					130Vac +/- 2%	
		line high Transfer	270Vac +/- 2%; 135Vac +/- 2%					270Vac +/- 2%	
		Line High Return	260Vac +/- 2%; 130Vac +/- 2%					260Vac +/- 2%	
Output	Voltage	230Vac (220V or 240Vac re-settable via LCD panel); 120Vac (110V or 115Vac re-settable via LCD panel)							
	Regulation	Line Mode	Follow AC Line Voltage						
		Battery mode	< 3% RMS for entire battery voltage range						
	Frequency Regulation	Line Mode	Follow AC Line Hz						
		Battery Mode	50Hz or 60Hz +/- 0.1Hz						
	Overload Protection	Line Mode	Circuit Breaker						
		Battery Mode	110% - 150% for 30sec. , > 150% for 200ms						
	Waveform	Pure Sinewave							
Power Factor		0.67		0.8		0.8	1		
Efficiency	> 80%								
Transfer Time	Typical	< 8ms							
Battery	Battery Voltage	12Vdc	24Vdc	24Vdc	24Vdc	48vdc			
	Backup Time(At full loads)	Long Time Available							
	Max Charging Current (5 steps Selectable)	> 40A	> 50A		>40A		> 60A		
Display for LCD (option)	LCD	UPS Status, I/P and O/P Voltage Frequency, Load %, Battery voltage and %, Temperature, Model.							
	LED	Normal (green), Warning (Yellow), Fault (Red)							
Solar Power	Solar Power Server( Option)	50A							
Remote Panel	Option for wall Mount Only	Yes							
Audible Alarm	Battery Mode	Beeping every 4 seconds							
	Low Battery	Beeping every second							
	UPS Fault	Beeping continuously							
	Overload	Beeping twice per second							
Environment	Operation Temperature	0-40 degree C; 32-104 degree F							
	Relative Humidity	0-95% Non-condensing							
	Audible Noise	< 55dBA (at 1m)			> 45dBA (at 1m)				
Physical	net weight (kgs)	12	24	31.5	45	50	55		
	(W x H x D)mm Rack mount	440 x132x292	440x132x360	440x132x360	N/A				
	(W x H x D)mm Wall Mount	298x400x150	298x450x190	298x450x190	390x550x235	412x275x600	412x275x600		

Note: Specifications are subject to change without prior notice.

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