

## SWI Series Pure Sine Wave Inverter

### FEATURES

- Low-Profile Design
- USB Charging Port: **5V, 2.1A**
- Temperature controlled fan – runs quieter, reduces energy consumption
- LED indicators for power and protection
- Low battery alarm / shut down
- Low idle power draw of less than 0.7 Amps

### APPLICATIONS

- Service vehicles
- Recreation vehicles
- Solar power systems
- Trucks
- Marine



## 250 WATTS

### TECHNICAL SPECIFICATIONS

Model	SWI 250-12
<b>AC output</b>	
Output voltage	230 VAC $\pm$ 3% + USB 5V + 2.1A
Output frequency	50 Hz $\pm$ 1%
Type of output waveform	Pure Sine Wave
Total harmonic distortion of output wave form	< 3%
Continuous output power (at power factor = 1)	250 Watts
Surge output power (at power factor = 1)	500 Watts
Peak efficiency	86%
AC output connection	Schuko standard
<b>DC input</b>	
Nominal dc input voltage	12 VDC
DC input voltage range	10 - 16.5 VDC
Maximum input current	30A
DC input current at no load	< 700 mA
DC input connection	Mating Battery Modular Connector on inverter side
<b>Display</b>	
3 Color Led	For Operational Conditions
<b>Protections</b>	
Low DC Input Voltage	Shutdown at $\leq$ 10V; Auto-reset at $\geq$ 11.5V
High DC Input Voltage	Shutdown at $\geq$ 16.5V; Auto-reset at $\leq$ 16.5V

Technical Specifications subject to change without notification.

## TECHNICAL SPECIFICATIONS

Short Circuit / Overload	Output voltage drops, but does not shut down. Auto-reset on removal
Over Temperature	Shut down when internal hot spot is ≥ 105°C. Auto-reset on cooling
Reverse Polarity On DC Input Side	Automotive Mini Blade Fuse: 32V, 15A
High DC Output Of Usb Port	Shuts down USB Port at ≥ 6.2V
Cooling	Temperature Controlled Fan
<b>Environment</b>	
Operating Temperature Range	0°C to 40°C
<b>Compliance</b>	
Safety	EN 60950-1 : 2006+A11 : 2009+A1 : 2010+A12 : 2012
EMC/ EMI	EN 55022 : 2010 Class B EN 61000-4-2 : 2009 EN 61000-4-3: 2006+A2 : 2010 EN 61000-4-4 : 2012 EN61000-4-6 : 2009 EN61000-4-8 : 2010 EN 55024 : 2010
<b>Dimensions &amp; Weights</b>	
(L X W X H) mm	235 x 112.4 x 45.9
(Kg)	0.885

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