

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 250-24
AC output	
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	88%
AC output connection	Schuko standard
DC input	
Nominal dc input voltage	24 VDC
DC input voltage range	20 - 33 VDC
Maximum input current	15A
DC input current at no load	< 500 mA
DC input connection	Mating Battery Modular Connector on inverter side
Display	
3 Color Led	For Operational Conditions
Protections	
Low DC Input Voltage	Shutdown at \leq 20V; Auto-reset at \geq 23V
High DC Input Voltage	Shutdown at \geq 33V; Auto-reset at \leq 33V

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
Environment	
Operating Temperature Range	0°C to 40°C
Compliance	
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
Dimensions & Weights	
(L X W X H) mm	235 x 112.4 x 45.9
(Kg)	0.885

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