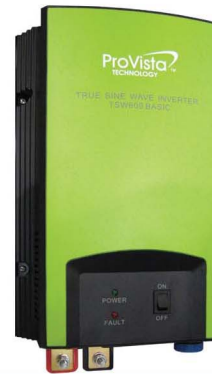




High Technology True Sine Wave Inverter TSW 600 and 1200 Basic

TSW 600 and 1200 True Sine Wave Inverter are designed for stand-alone application where the system is supplied by battery and the traditional 230VAC power grid is not available. Our many years of experience have come into play for deploying these inverters specifically in photovoltaic systems.



PRODUCT NAME

MODEL NUMBER

TSW 600 Basic

TSW 600

TSW 1200 Basic

TSW 1200

Application: Solar Home System, Telecommunication, Recreational Vehicles, Marine Boat, High Power Rural Electrification projects

Product Features

- True Sine Wave voltage and current
- Excellent overload capabilities
- Control by digital signal processor (DSP)
- Power Saving Mode to save energy
- Total Harmonic Distortion less than 4%
- High Max. Efficiency 94%
- Protective insulation according to protection class II
- IP degree to operate on site application

Electronic Protection Functions

- Short circuit protection
- Input overvoltage protection
- Deep discharge protection
- Reverse polarity protection of battery
- Temperature fan cooling controlled
- Overtemperature and overload protection

Displays

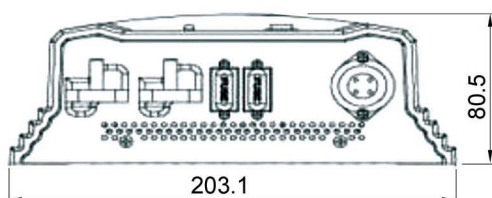
- 2 coloured LED shows operating states and fault messages

Operation

- Manual load switch
- Standby mode or sleeping mode with adjustable load reconnection

Certificates

- CE compliant according EN60950-1, EN61000-6-1 and EN61000-6-3
- Compliant with UL 1741
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001



MODEL NUMBER

TSW 600

TSW 1200

Operating Performance

System Voltage	12 V	24 V
Continuous Power	600 W	1200 W
Max. Power for 30 min.	700 W	1500 W
Max. Power for 5 sec.	1200 W	2400 W
Surge Capability	1500 W	3000 W
Max. Efficiency	92%	94%
Idle Power standby/ON	0.5/9 W	0.7/11 W

DC input side

Battery voltage 10.5 V ... 17.5 V 21 V ... 34 V

AC output side

Output Voltage 230 V AC
 Range Output Voltage +/-10%
 Output Frequency 50 Hz

Operating Conditions

Ambient Temperature -20°C to +60°C (power derated above 25 °C)

Fitting and construction

Cable Length battery / AC 1.5 m / 1 m
 Terminal see above drawings
 Degree of protection IP 31
 Dimension (X x Y x Z) 203 x 336 x 80 mm
 Weight 2,4 kg 3,2 kg

Technical data at 25°C/77°F

