

**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. **Vintage** version implement some innovations which are unprecedented and above all the parallel connection as novel operating concept. Furthermore, our many years of experience have come into play for deploying these inverters specifically in photovoltaic systems.



#### MODEL NAME

#### MODEL NUMBER

TSW 600 Basic	ISW 0600
TSW 1200 Basic	ISW 1200
TSW 600 Vintage	ISW 0610
TSW 1200 Vintage	ISW 1210

**Applications:** 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 3%
- High Max. Efficiency 93%
- Protective insulation according to protection class II

#### Vintage Additional Features

- Simply connect in parallel
- Communication via USB and RJ45

#### Electronic Protection Functions

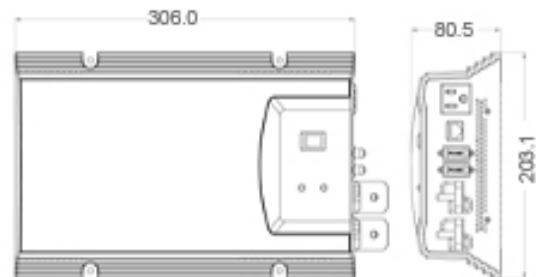
- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of load and battery
- Automatic electronic fuse
- Short circuit protection
- Overtemperature and overload protection

#### Operation

- Adjustable load detection
- Manual load switch

#### Certificates

- Compliant with European Standard (CE)
- Compliant with UL Standard
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001



#### PRODUCT NAME

TSW 600

TSW 1200

#### Operating Performance

	TSW 600	TSW 1200
System Voltage	12 V or 24 V	
Continuous Power	600 VA	1200 VA
Max. Power for 3 min.	750 VA	1350 VA
Max. Power for 10 sec.	1800 VA	3600 VA
Max. Efficiency	93%	94%
Own Consumption standby/ON	0.5 W / 6W	0.7 W / 10W

#### DC input side

Battery voltage 10.5 V ... 16 V (21 V... 32 V)

#### AC output side

Output Voltage 115/230 V AC +/-10%      115/230 V AC +/-10%

Output Frequency 50/60 Hz

Load Detection (standby) adjustable 2W .... 50 W

#### Safety

Safety Class II (double insulated)

#### Operating Conditions

Ambient Temperature -20°C ..... +50°C

#### Fitting and construction

Cable Length battery / AC 1.5 m / 1.5 m

Terminal (fine/single wire) 16 mm<sup>2</sup> / 25 mm<sup>2</sup> - AWG 6 / 4

Degree of protection IP 20

Dimension (X x Yx Z) 306 x 203.1 x 80.5 mm

Weight 4,6 kg      6,9 kg

*Technical data at 25°C/77°F*