



High Technology True Sine Wave Inverter TSW 700 and 1500 Vintage

TSW 710 and 1510 True Sine Wave Inverter are designed for micro grid and off application and installation. Thanks to some innovations which are unprecedented and above all the parallel control strategy, TSW 710 and 1510 make available any power every where.



PRODUCT NAME

MODEL NUMBER

TSW 700 Vintage

TSW 710

TSW 1500 Vintage

TSW 1510

Application: Micro grid application, Residential and Commercial 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)
- Idle mode to save energy
- Total Harmonic Distortion less than 4%
- High Max. Efficiency 94%
- Protective insulation according to protection class II
- Simply connect in parallel
- Advanced control loop technology to expand the output power unlimited
- Communication via USB and RJ45

Electronic Protection Functions

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

Displays

- Graphical LCD Display shows operating states - for operation and fault messages



Operation

- Adjustable load detection
- 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 710	TSW 1510
Operating Performance		
System Voltage	12 V	24 V
Max. Power for 30 min.	700 W	1500 W
Continuos Power	600 W	1200 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 Lenght battery / AC	1.5 m / 1 m	
Terminal	see the above drawings	
Degree of protection	IP 31	
Dimension (X xY x Z)	203 x 306 x 80 mm	
Weight	4,6 kg	6,9 kg

Technical data at 25°C/77°F

