



High Technology True Sine Wave Inverter TSW 700 and 1500 Basic

TSW 700 and 1500 True Sine Wave Inverter are designed for stand-alone application where 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	Application: Solar Home System, Telecommunication, Recreational Vehicles, Marine Boat, High Power Rural Electrification projects
TSW 700 Basic	TSW 700	
TSW 1500 Basic	TSW 1500	

Product Features	MODEL NUMBER	TSW 700	TSW 1500	
<ul style="list-style-type: none"> - True Sine Wave voltage and current - Excellent overload capabilities - Control by digital signal processor (DSP) - Power Saving Mode in idle condition - Total Harmonic Distortion less than 4% - High Max. Efficiency 94% - Protective insulation according to protection class II - IP degree to operate on site application 	Operating Performance			
	System Voltage	12 V	24 V	
	Max. Power for 30 min.	700 Watts	1500 Watts	
	Continuous Power	600 Watts	1200 Watts	
	Max. Power for 5 sec.	1200 Watts	2400 Watts	
	Surge Capability	1500 Watts	3000 Watts	
	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	
<ul style="list-style-type: none"> - Short circuit protection - Input overvoltage protection - Deep discharge protection - Reverse polarity protection of battery - Temperature fan cooling controlled - Overtemperature and overload protection 	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		
<i>Technical data at 25°C/77°F</i>				

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

