

# DC/AC Inverter

200~700W True Sine Wave



▲ TS-200 205x 158x 59 mm

▲ TS-400 205x 158x 67 mm

▲ TS-700 295x 184x 70 mm

## Features

- True sine wave output (THD<3%)
- **2 times high surge power for motor related application**
- Advanced digital control by microprocessor
- Output voltage / frequency adjustable
- High efficiency up to 91%
- Standby saving mode to conserve energy (TS-700)
- Built-in fan ON/OFF control function (TS-400/700)
- Fanless design, cooling by free air convection (TS-200)
- Front panel indicator for load / battery / operation status
- High frequency design
- Input protections:
  - Bat. low alarm / Bat. low shutdown / reverse polarity / over voltage
- Output protections:
  - Short circuit / Overload / Over temperature
- Applications:
  - Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- 2 years warranty



## General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

Model Name	TS-200	TS-400	TS-700
Rated output power	200W	400W	700W
Maximum output power	230W for 3 minutes; 300W for 10 sec.	460W for 3 minutes; 600W for 10 sec.	800W for 3 minutes; 1050W for 10 sec.
Output surge rating (30 cycles.)	400W	800W	1400W
DC input rated voltage	12VDC, 24VDC or 48VDC		
AC output voltage	100 / 110 / 115 / 120VAC; 200 / 220 / 230 / 240VAC selectable by setting button		
Output frequency	50Hz / 60Hz selectable by setting button		
AC output waveform	True sine wave, THD<3.0%		
AC output regulation	±3% of rated output voltage		
No load dissipation	-----		≤ 6W @ standby saving mode
Working temperature	-10~+35°C@100% load, 60°C@50% load	-10~+40°C@100% load, 60°C@50% load	0~+40°C@100% load, 60°C@50% load
Safety standards	110V	design refer to UL458	
	230V	Compliance to EN60950-1	
EMC standards	110V	Compliance to FCC class A	
	230V	Compliance to EN55022 class A, E-Mark, EN61000-4-2,3,8, ENV50204	

## 200W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-200-112[A]	200W	10.5-15	110 / 60	TYPE-A	86.0%
TS-200-124[A]	200W	21.0-30	110 / 60	TYPE-A	87.5%
TS-200-148[A]	200W	42.0-60	110 / 60	TYPE-A	88.0%
TS-200-212[B]	200W	10.5-15	230 / 50	TYPE-B	86.0%
TS-200-224[B]	200W	21.0-30	230 / 50	TYPE-B	87.5%
TS-200-248[B]	200W	42.0-60	230 / 50	TYPE-B	88.0%

□ = A, B (standard model), C, D, E or F (optional model)

## 400W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-400-112[A]	400W	10.5-15	110 / 60	TYPE-A	84.5%
TS-400-124[A]	400W	21.0-30	110 / 60	TYPE-A	86.0%
TS-400-148[A]	400W	42.0-60	110 / 60	TYPE-A	87.0%
TS-400-212[B]	400W	10.5-15	230 / 50	TYPE-B	86.0%
TS-400-224[B]	400W	21.0-30	230 / 50	TYPE-B	87.5%
TS-400-248[B]	400W	42.0-60	230 / 50	TYPE-B	88.5%

□ = A, B (standard model), C, D, E or F (optional model)

## 700W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-700-112[A]	700W	10.5-15	110 / 60	TYPE-A	86%
TS-700-124[A]	700W	21.0-30	110 / 60	TYPE-A	88%
TS-700-148[A]	700W	42.0-60	110 / 60	TYPE-A	89%
TS-700-212[B]	700W	10.5-15	230 / 50	TYPE-B	89%
TS-700-224[B]	700W	21.0-30	230 / 50	TYPE-B	90%
TS-700-248[B]	700W	42.0-60	230 / 50	TYPE-B	91%

□ = A, B (standard model), C, D, E or F (optional model)

## AC Output Receptacle (optional for TN/TS series)

TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
USA	Europe	Australia	U.K.	Japan	GFCI

▲ Please consult Mean Well for other kinds of optional output socket.