

DC/AC Inverter

700~1500W True Sine Wave



Features

- True sine wave output (THD<3%)
- 2 times high surge power
- Advanced digital control by microprocessor
- Output voltage / freq. adjustable
- High efficiency up to 92%
- Power saving mode to conserve energy
- Front panel indicator for load / battery / operation status
- Thermostatically controlled cooling fan
- **Optional Monitoring software**
- Solar input current up to 30A max.(TN-1500)
- Fast transfer time under 10ms (TN-1500)
- TN-1500: Selectable UPS and energy saving mode, AC by pass / built-in AC and solar charger
- Protections:
Input: Bat. low alarm / Bat. low shutdown / Bat. polarity / Bat. over voltage
Output: Short circuit / Overload / Over temp. / AC circuit breaker
- Applications:
Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- 2 years warranty

Output Socket (option)

TYPE-A	TYPE-B
USA	EUROPE
▲ Please consult Mean Well for other kinds of optional output socket.	

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	TS-700 Developing	TS-1000 NEW	TS/TN-1500
Rated output power(typ.)	700W	1000W	1500W
Maximum output power	800W for 3 minutes.; 1050W for 10 seconds	1150W for 3 minutes ; 1500W for 10 seconds	1725W for 3 minutes ; 2250W for 10 seconds
Output surge current (30 cycles.)	1400W	2000W	3000W
DC input rated voltage	12VDC, 24VDC or 48VDC		
AC output voltage / Frequency	100 / 110 / 115 / 120VAC, 50Hz / 60Hz ; 200 / 220 / 230 / 240VAC, 50Hz / 60Hz selectable by setting button S.W		
AC waveform	True sine wave, THD<3.0%		
AC regulation	-3%~+3% of rated output voltage		
No load dissipation	≤6W@standby saving mode		≤18W@standby saving mode
Transfer time	-----	-----	≤10ms inverter mode ↔ by pass mode (TN-1500 only)
Working temperature	0 ~ +40°C @ 100% load, 60°C @ 50% load		
Safety standards	110V	Compliance to UL458 (except for 48V and only for GFCI receptacles)	
	230V	Compliance to EN60950-1	
EMC standards	110V	Compliance to FCC class A	
	230V	Compliance to EN55022 class B, E-Mark, EN61000-4-2,3,4,5,6,8,11, ENV50204 (refer to SPEC for details)	

700W (True Sine Wave Inverter) **Developing**

Model No.	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-700-112[A]	700W	10.5-15	110 / 60	TYPE-A	87%
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 (option for output socket)

1500W (True Sine Wave Inverter)

Model No.	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-1500-112[A]	1500W	10.5-15	110 / 60	TYPE-A	87%
TS-1500-124[A]	1500W	21.0-30	110 / 60	TYPE-A	88%
TS-1500-148[A]	1500W	42.0-60	110 / 60	TYPE-A	89%
TS-1500-212[B]	1500W	10.5-15	230 / 50	TYPE-B	89%
TS-1500-224[B]	1500W	21.0-30	230 / 50	TYPE-B	90%
TS-1500-248[B]	1500W	42.0-60	230 / 50	TYPE-B	91%

□ = A, B (option for output socket)

1000W (True Sine Wave Inverter) **NEW**

Model No.	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-1000-112[A]	1000W	10.5-15	110 / 60	TYPE-A	88%
TS-1000-124[A]	1000W	21.0-30	110 / 60	TYPE-A	89%
TS-1000-148[A]	1000W	42.0-60	110 / 60	TYPE-A	90%
TS-1000-212[B]	1000W	10.5-15	230 / 50	TYPE-B	90%
TS-1000-224[B]	1000W	21.0-30	230 / 50	TYPE-B	91%
TS-1000-248[B]	1000W	42.0-60	230 / 50	TYPE-B	92%

□ = A, B (option for output socket)

1500W (Inverter with AC & Solar Charger)

Model No.	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TN-1500-112[A]	1500W	10.5-15	110 / 60	TYPE-A	87%
TN-1500-124[A]	1500W	21.0-30	110 / 60	TYPE-A	88%
TN-1500-148[A]	1500W	42.0-60	110 / 60	TYPE-A	89%
TN-1500-212[B]	1500W	10.5-15	230 / 50	TYPE-B	89%
TN-1500-224[B]	1500W	21.0-30	230 / 50	TYPE-B	90%
TN-1500-248[B]	1500W	42.0-60	230 / 50	TYPE-B	91%

□ = A, B (option for output socket)