

DC/AC Inverter 1500~3000W True Sine Wave Solar Inverter



Features

- True sine wave output (THD<3%)
- 2 times high surge power for motor related application
- Advanced digital control by microprocessor
- High efficiency up to 93%
- Standby saving mode to conserve energy
- Built-in fan ON/OFF control function
- Output voltage / frequency adjustable
- Front panel indicator for load / battery / operation status
- High frequency design
- Selectable UPS and energy saving mode
- AC by pass, built-in AC and solar charger
- Fast transfer time under 10ms
- Solar input current up to 30A max.
- Input protections:
 - Bat. low alarm / Bat. low shutdown / reverse polarity / over voltage
- Output protections:
 - Short circuit / Overload / Over temperature / AC circuit breaker
- Optional monitoring software
- Applications:
 - Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- 2 years warranty

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



Model No.	TN-1500	TN-3000 Under Development
Rated output power(typ.)	1500W	3000W
Maximum output power	1725W for 3 minutes ; 2250W for 10 seconds	3450W for 3 minutes ; 4500W for 10 seconds
Output surge rating (30 cycles.)	3000W	6000W
DC input rated voltage	12VDC, 24VDC or 48VDC	
AC output voltage	100 / 110 / 115 / 120VAC or 200 / 220 / 230 / 240VAC selectable by setting button	
AC waveform	True sine wave, THD<3.0%	
AC regulation	±3% of rated output voltage	
No load dissipation	≤18W @ standby saving mode	≤7W @ standby saving mode
Transfer time	≤10ms inverter mode ↔ by pass mode	
Working temperature	0 ~ +40°C @ 100% load, 60°C @ 50% load	
Safety standards	110V	Compliance to UL458 (except for 48V and only for GFCI receptacle)
	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

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	89%
TN-1500-148[A]	1500W	42.0-60	110 / 60	TYPE-A	90%
TN-1500-212[B]	1500W	10.5-15	230 / 50	TYPE-B	88%
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 (standard models), C, D, E or F (optional models)

3000W (Inverter with AC & Solar Charger) Under Development

Model No.	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TN-3000-112[A]	2700W	10.5-15	110 / 60	TYPE-A	87%
TN-3000-124[A]	3000W	21.0-30	110 / 60	TYPE-A	89%
TN-3000-148[A]	3000W	42.0-60	110 / 60	TYPE-A	90%
TN-3000-212[B]	2700W	10.5-15	230 / 50	TYPE-B	88%
TN-3000-224[B]	3000W	21.0-30	230 / 50	TYPE-B	90%
TN-3000-248[B]	3000W	42.0-60	230 / 50	TYPE-B	93%

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



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