

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





▲ TN-1500
420x 220x 88 mm



▲ TN-3000
474x 283x 98 mm

■ Inverter Remote Control



▲ IRC3
75x 55x 21 mm

Description:
IRC3 is the monitoring and control unit used for the inverter series. It can decode the RS-232 signal sent by inverter series and display through digital meters. IRC3 can also turn ON/OFF of inverter remotely that make the basic control more easily.

■ 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 92%
- 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.
- 3 years warranty

► Features (IRC3)

- Wall-mounted and control panel assembly acceptable
- Built-in ON/OFF button
- LED indicators for remote ON/OFF, abnormal and power saving mode
- Equipped with 10FT cable, optional for 25FT or 50FTT
- Connect directly to the remote socket of inverter; no power supply needed
- Suitable series: TN-1500 / 3000
- 2 years warranty

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



Model Name	TN-1500	TN-3000 NEW
Rated output power	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	
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	≤18W @ standby saving mode	≤10W @ standby saving mode
Transfer time (Typ.)	≤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), TN-3000 pending
	230V	Compliance to EN60950-1
EMC standards	110V	Compliance to FCC class A
	230V	Compliance to EN55022 class A (class B for TN-1500), E-Mark, EN61000-4-2,3,4,5,6,8,11, ENV50204

■ 1500W (Inverter with AC & Solar Charger)

Model Name	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 model), C, D, E or F (optional model)

■ 3000W (Inverter with AC & Solar Charger)

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TN-3000-112[A]	3000W	10.5-15	110 / 60	TYPE-A	88%
TN-3000-124[A]	3000W	21.0-30	110 / 60	TYPE-A	90%
TN-3000-148[A]	3000W	42.0-60	110 / 60	TYPE-A	91%
TN-3000-212[B]	3000W	10.5-15	230 / 50	TYPE-B	89%
TN-3000-224[B]	3000W	21.0-30	230 / 50	TYPE-B	91%
TN-3000-248[B]	3000W	42.0-60	230 / 50	TYPE-B	92%

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