DC/AC Inverter

1500~3000W Solar Charger Inverter

TN-1500
420x 220x 88 mm

TN-3000
466.8x 283.5x 100 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%
- Conformal coating
- 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
- 3 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 (Typ.)		≤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)	
	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) NEW

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)