

GTIN CODE



MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Features :

- True sine wave output (THD<3%)
- High surge power up to 6000W
- U.P.S. mode and energy saving mode (selectable)
- High efficiency up to 92%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload / AC circuit breaker
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Built-in solar / AC charger
- * Support RS-232 communication (communication cable RJ11-RS232 included) Note.7



ATION	TN-3000-112	TN-3000-124	TN 0000 440	TN 2000 040		
			TN-3000-148	TN-3000-212	TN-3000-224	TN-3000-248
	☐ = A, F, G			□= B, C, D, G		
RATED POWER (Typ.)	3000W					
		4500W for 10 sec. / si	irge nower 6000W fo	or 30 cycles		
mAximom corr or r cwer (1yp.)	3450W for 180 sec. / 4500W for 10 sec. / surge power 6000W for 30 cycles Factory setting set at 110VAC Factory setting set at 230VAC					
AC VOLTAGE				200 / 220 / 230 / 240VAC selectable by setting button S.W		
EDECUENCY	100 / 110 / 115 / 120VAC selectable by setting button S.W					
						ing button 5.vv
, , ,	10ms inverter → by pass Default disabled. Load ≤ 5W will be changed to standby mode					
(, , ,						
			-	· -		
BAT. VOLTAGE		24V		12V	24V	48V
VOLTAGE RANGE (Typ.) Note.3,6	10.5 ~ 15VDC	21 ~ 30VDC		10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
DC CURRENT (Typ.) Note.4	300A	150A	75A	300A	150A	75A
NO LOAD DISSIPATION (Typ.)	≦10W @ standby saving mode					
OFF MODE CURRENT DRAW (Typ.)	≦1mA					
EFFICIENCY (Typ.) Note.1	88%	90%	91%	89%	91%	92%
BATTERY TYPES	Open & sealed lead a	icid battery	•		'	
FUSE	40A*12	40A*6	20A*6	40A*12	40A*6	20A*6
BAT. LOW ALARM Note.6	11.3V	22.5V	45V	11.3V	22.5V	45V
BAT. LOW SHUTDOWN Note.6	10.5V	21V	42V	10.5V	21V	42V
REVERSE POLARITY	By internal fuse open	1			'	
	90°C + 5°C	85°C + 5°C	85°C + 5°C	80°C + 5°C	75°C ± 5°C	75°C ± 5°C
OVER TEMPERATURE					1	1.0 0 .
	Protection type : Shut down o/p voltage, re-power on to recover					
OVER LOAD (Typ.)						
CIDCIIIT BDEAKED						
	20% ~ 90% RH non-condensing -30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH non-condensing					
	<u> </u>		6.4	<u>'</u>		,
() ()				-		6A
			-			57V
		45V	/5V	25V	45V	75V
MTBF						
DIMENSION	466.8*283.5*100mm (L*W*H)					
PACKING						
2.Output derating capacity refe 3.Input derating capacity refere 4.DC current is tested by 3000 5.All parameters not specified 6.The tolerance of each voltage 7.The cable is enclosed for the 8.THD is tested by 3000W, line 9.Please do not turn on the inv	renced by curve 1. Inced by curve 2. Wy, linear load at 12V above are measured e value by models is: e connection between aer load at 13,26,52V eerter before start the	7, 24V, 48V input volt at rated load, 25°C c :112/212→±0.5V;12 TN-3000 and compt input voltage. engine if inverter cor	age. of ambient temperatu 4/224→±1V;148/24 uter for software mou nnect to vehicle's ba	.8→±2V. nitoring. ttery directly.	·	ner than 2000m(65/
	NAVEFORM Note.8 AC REGULATION (Typ.) CRANSFER TIME (Typ.) CRANSFER TIME (Typ.) CRANSFER TIME (Typ.) CRONT PANEL INDICATOR CAT. VOLTAGE COLTAGE RANGE (Typ.) Note.3,6 CO CURRENT (Typ.) Note.4 CO LOAD DISSIPATION (Typ.) CFFICIENCY (Typ.) Note.1 COLTAGE RANGE (Typ.) Note.1 COLTAGE RANGE (Typ.) Note.4 COLTAGE RANGE (Typ.) Note.4 COLTAGE RANGE (Typ.) Note.4 COLTAGE RANGE (Typ.) Note.4 COLTAGE RANGE (Typ.) Note.5 COLTAGE RANGE (Typ.) Note.6 COLTAGE RANGE (Typ.) Note.1 COLTAGE RANGE (Typ.) COLTAGE COLTAGE COLTAGE NOTE.5 COLTAGE POLARITY COLTAGE COLTAGE POLARITY COLTAGE	Note.11	Note.11	REQUENCY Note.1 60 ± 0.1 Hz 50/60 Hz selectable by setting button S.W	SPECUENCY Note.11 S0±0.1Hz S0/60Hz selectable by setting button S.W S0±0.1Hz S0/6	VIREQUENCY Note 11 60 ± 0.1 12 50 /60 /60 12 50 /60 /60 12 50 /60 /60 12 50 /60 /60 /60 /60 /60 /60 /60 /60 /60 /6



■ Instructions for TN-3000 monitoring software

- 1. The monitoring software can be downloaded from product section (with TN-3000 specification) on MEAN WELL's official website, http://www.meanwell.com/productsoftware.aspx
- 2. The monitoring software can run on Windows 7 English version, Windows 7 Chinese (Traditional, Taiwan) version, Windows 8 English version and Windows 8 Chinese (Traditional, Taiwan) version
- 3. Installation of TN-3000 unit and PC

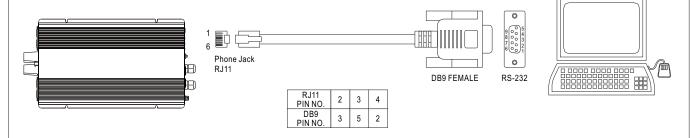


Figure 1

4. Explanation of Monitoring Manu

4.1 Main Page

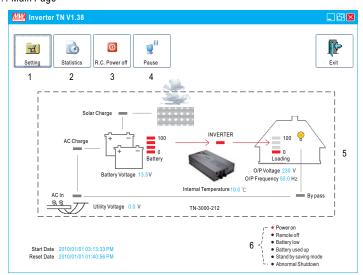


Figure 2

- 1. Setting: Adjustment for output voltage, charging related voltage, frequency, and operation mode. Please refer to Figure 3 for details.
- 2. Statistics: Calculate for the percentage of operating period for each operation mode. Please refer to Figure 4 for details.
- 3. R.C. Power off: Power can be turned ON or OFF at the remote location.
- 4. Pause: Stop refreshing the page of monitoring software.
- 5. Status of unit: Indicating current operating status of TN-3000.
- 6. Signals that display current condition of the unit.



4.2 Setting Page

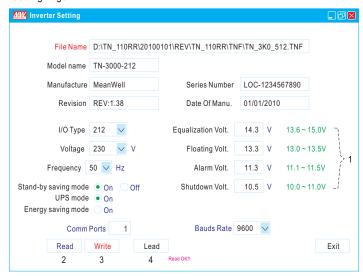


Figure 3

- 1. User can adjust the settings based on the characteristics of batteries been used: Equalization Voltage, Floating Voltage, Alarm Voltage, and Shut-down Voltage. UPS Mode / Energy Saving Mode selection and AC output voltage and frequency can also be set in this page.
- 2. Read: Read current settings of the unit.
- 3. Write: Write the revised setting into the unit.
- 4. Load: Load in factory default settings.

4.3 Statistic Page

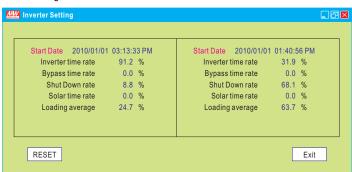


Figure 4

- 1. Start Date: Date that installing the monitoring software.
- 2. Reset Date: Date that resetting the statistics. The Start Date will not be influenced by resetting the statistics or turning off the unit.
- 3. Inverter time rate: Operating period of "Inverter Mode" represents how many percent of the whole operating period.
- 4. Bypass time rate: Operating period of "Bypass Mode" (energy provides directly by the utility) represents how many percent of the whole operating period
- $5. \, Shut \, down \, rate: Percentage \, of time \, period \, that \, the \, unit \, is \, under \, the \, condition \, of \, \, shut \, down.$
 - * Inverter time rate + Bypass time rate + Shut down rate = 100%
- 6. Solar time rate: Percentage of time period that the solar charger is functioning after turning on the TN-3000 unit.
- 7. Loading average: Average loading after turning on the TN-3000 unit.



