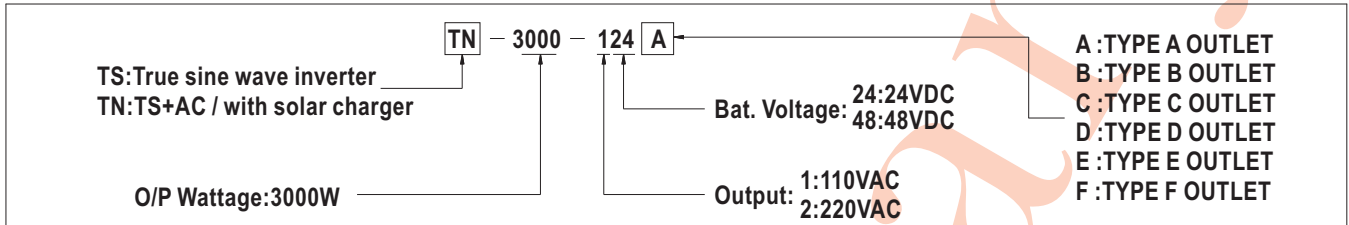


■ Features :

- True sine wave output (THD<3%)
- Power ON-OFF switch
- Saving mode settled by controller
- LED panel indication power status
- Thermostatically Controlled Cooling Fan
- Protections: Bat. Low alarm/Bat. Low shutdown/Over temp./Output short/Input polarity reverse/Over load.
- Home appliance, Power tools, Office and Portable equipment, Vehicle and Yacht ...etc.
- Approvals: UL458/ e13/ CE/ FCC



SPECIFICATION

MODEL	TN/TS-3000-124	TN/TS-3000-148	TN/TS-3000-224	TN/TS-3000-248
OUTPUT	RATED POWER (Typ.)		3000W	
	AC RATED VOLTAGE		110V	
	AC VOLTAGE		100 / 110 / 115 / 120 selectable by control switch	
	MAXIMUM OUTPUT POWER		3450W(3min.) / 4500W(10sec.)	
	SURGE POWER		6000W	
	WAVEFORM		True sine wave (THD<3%) at rated input voltage	
	FREQUENCY		50/60±1Hz	
	AC REGULATION (Typ.)		±3.0% at rated input voltage	
	TRANSFER TIME		t<10ms inverter — by pass	
	SAVING MODE TO NORMAL		≤ 3s (5 ~ 25W)	
LED INDICATOR		O.T.P, O.L.P and Saving mode status		
CURRENT LIMIT		60A±20%		
INPUT	DC CURRENT (Typ.)		150A	
	NO LOAD DISSIPATION		≤ 3W @ saving mode	
	OFF MODE DRAW CURRENT		≤ 1mA	
	BAT. VOLTAGE		24V	
	VOLTAGE RANGE (Typ.) ^{Note.1}		21 ~ 30VDC	
BATTERY INPUT PROTECTION	EFFICIENCY (Typ.) ^{Note.2}		90%	
	FUSE		40A*5	
	BAT. LOW ALARM		21±4%	
	BAT. LOW SHUTDOWN		20±4%	
OUTPUT PROTECTION	BAT. POLARITY		By internal fuse open	
	OVER TEMPERATURE		40 ~ 45°C at full load, Reset: re-power on	
	OUTPUT SHORT		Shut-off, Reset: re-power on	
	OVER LOAD (INVERTER)		100 ~ 117%±5% load 180sec, 117% ~ 150%±5% load 10sec, Shut down re-power on	
	OVER LOAD (AC LINE)		Circuit breaker protection	
ENVIRONMENT	GFCI PROTECTION		Optional (Only type 6)	
	WORKING TEMP. ^{Note.3}		-10 ~ +60°C	
	WORKING HUMIDITY		20% ~ 90% RH non-condensing	
SAFETY & EMC	STORAGE TEMP., HUMIDITY		-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH	
	SAFETY STANDARDS		UL458	
	WITHSTAND VOLTAGE		Bat I/P-AC I/P:3.0KVAC Bat I/P-AC O/P:3.0KVAC AC I/P-FG:1.5KVAC	
	EMI CONDUCTION&RADIATION		Compliance to FCC class A	
OTHERS	EMS IMMUNITY		-----	
	DIMENSION		500*283.5*93mm (L*W*H)	
PACKING		Kg		
NOTE	1. Output Derating capacity referenced by curve 1. 2. Efficiency is tested by 2000W linear load at 26V, 52V input voltage. 3. Output Derating capacity referenced by curve 2.			

■ AC Output Receptacles (optional)

TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI

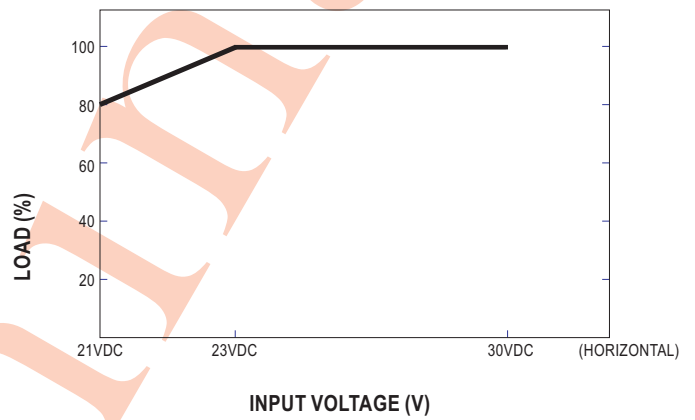
ELECTRICAL SPECIFICATIONS OF CHARGER

MODEL		TN-3000-124□	TN-3000-148□	TN-3000-224□	TN-3000-248□
AC CHARGER	CHARGE CURRENT	8.6A	4.3A	8.6A	4.3A
	BATTERY TYPES	Open & sealed Lead Acid			
	CHARGE VOLTAGE	29V±4%	58V±4%	29V±4%	58V±4%
	SHORT CIRCUIT PROTECTION	Constant current limiting			
SOLAR CHARGER	MAX OPEN CIRCUIT VOLTAGE	45V	75V	45V	75V
	CHARGE CURRENT (max.)	30A			
	Vmax CHARGE VOLTAGE	29V±4%	58±4V	29±4%	58±4%
BATTERY	BATTERY TYPES	Open & sealed Lead Acid			

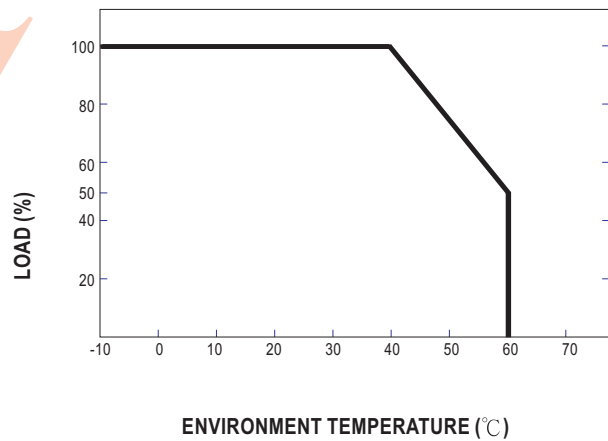
■ Mechanical Specification

Unit:mm

■ Output Derating and Curve



CURE 1



CURE 2