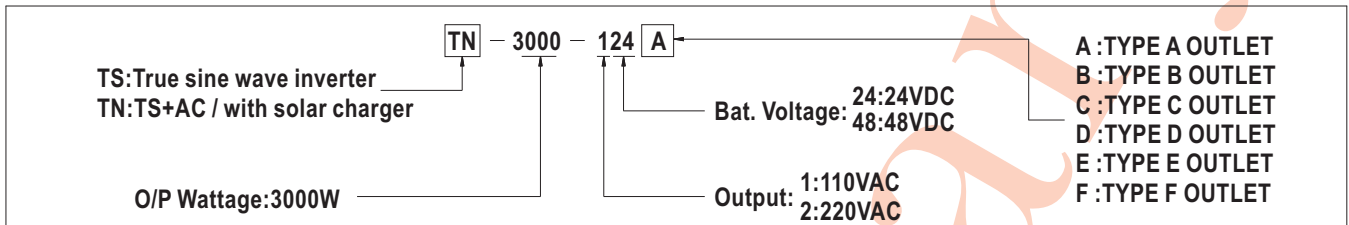


■ Features :

- True sine wave output (THD<3%)
- Power ON-OFF switch
- Saving mode setted 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		220V		
	AC VOLTAGE 100 / 110 / 115 / 120 selectable by control switch		200 / 220 / 230 / 240 selectable by controller		
	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				
	INPUT	DC CURRENT (Typ.) 150A		75A	150A
NO LOAD DISSIPATION ≤3W @ saving mode					
OFF MODE DRAW CURRENT ≤1mA					
BAT. VOLTAGE 24V		48V	24V	48V	
VOLTAGE RANGE (Typ.) Note.1 21 ~ 30VDC		42 ~ 60VDC	21 ~ 30VDC	42 ~ 60VDC	
EFFICIENCY (Typ.) Note.2 90%		91%	91%	92%	
BATTERY INPUT PROTECTION	FUSE 40A*5		40A*3	40A*5	40A*3
	BAT. LOW ALARM 21±4%		42±4%	21±4%	42±4%
	BAT. LOW SHUTDOWN 20±4%		40±4%	20±4%	40±4%
	BAT. POLARITY By internal fuse open				
OUTPUT PROTECTION	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				
	GFCI PROTECTION Optional (Only type 6)		None		
ENVIRONMENT	WORKING TEMP. Note.3 -10 ~ +60°C				
	WORKING HUMIDITY 20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY -30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH				
SAFETY & EMC	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		EN60950		
	EMI CONDUCTION&RADIATION Compliance to FCC class A		Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE, e-Mark e13-020932		
	EMS IMMUNITY -----		Compliance to EN61000-4-2,3, ENV50204		
OTHERS	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			

