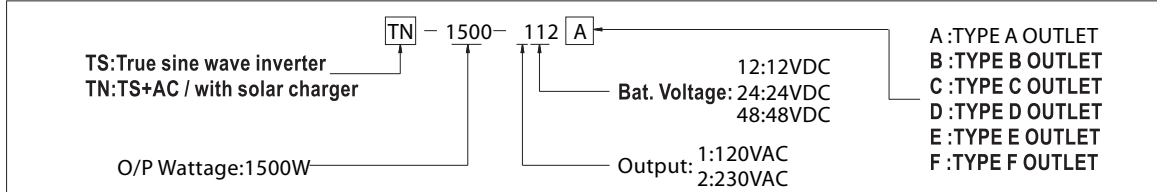
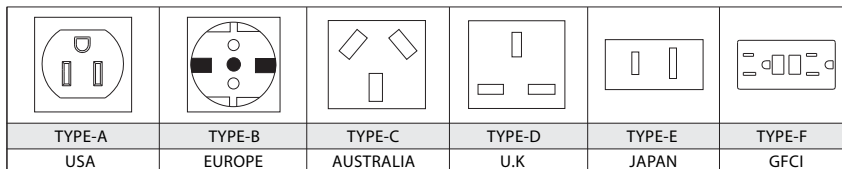



■ Features :

- 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 / FCC / E13 / CE


SPECIFICATION

MODEL	TN/TS-1500-112	TN/TS-1500-124	TN/TS-1500-148	TN/TS-1500-212	TN/TS-1500-224	TN/TS-1500-248	
OUTPUT	RATED POWER (Typ.)		1500W				
	AC RATED VOLTAGE		120V		230V		
	AC VOLTAGE		100 / 110 / 115 / 120 selectable by controller		200 / 220 / 230 / 240 selectable by controller		
	SURGE CURRENT		30A (500ms typ.)		20A (500ms typ.)		
	MAXIMUM OUTPUT POWER		1725W(3min.) / 2250W(10sec.)				
	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	37.5A	150A	75A	37.5A
	NO LOAD DISSIPATION	≤18W @ saving mode					
	OFF MODE DRAW CURRENT	≤1mA					
	BAT. VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE (Typ.) ^{Note.1}	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
EFFICIENCY (Typ.) ^{Note.2}	87%	89%	90%	88%	90%	91%	
BATTERY INPUT PROTECTION	FUSE	40A*5	30A*3	30A*2	40A*5	30A*3	30A*2
	BAT. LOW ALARM	10.7 ±2%	21.4 ±2%	42.8 ±2%	10.7 ±2%	21.4 ±2%	42.8 ±2%
	BAT. LOW SHUTDOWN	10.3 ±2%	20.6 ±2%	41.2 ±2%	10.3 ±2%	20.6 ±2%	41.2 ±2%
	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)	105 ~ 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 F)				None	
	WORKING TEMP. ^{Note.3}	0 ~ +60°C					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH					
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL458				None	
	WITHSTAND VOLTAGE	Bat I/P-AC I/P:3.0KVAC Bat I/P-AC O/P:3.0KVAC AC I/P-FG:1.5KVAC					
OTHERS	EMI CONDUCTION&RADIATION	Compliance to FCC class A			Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	EMS IMMUNITY	-----			Compliance to EN61000-4-2,3,4,5,6,8,11 ENV50204		
DIMENSION	420*220*88mm (L*W*H)						
	PACKING 6.85Kg; 2pcs/14.7Kg/1.89CUFT						
NOTE	1. Output Derating capacity referenced by curve 1. 2. Efficiency is tested by 1000W linear load at 13V, 26V, 52V input voltage. 3. Output Derating capacity referenced by curve 2. 4. All parameters not specified above are measured at rated load, 25°C of ambient temperature.						

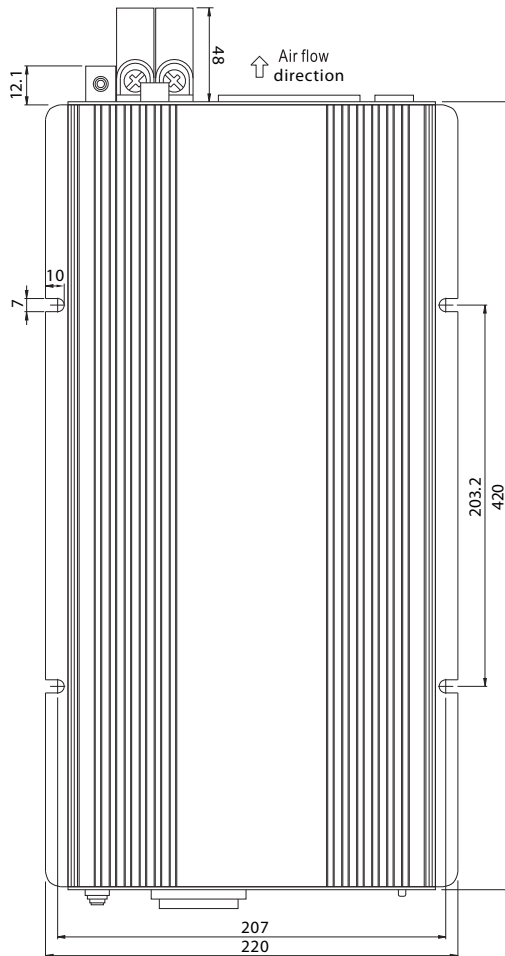
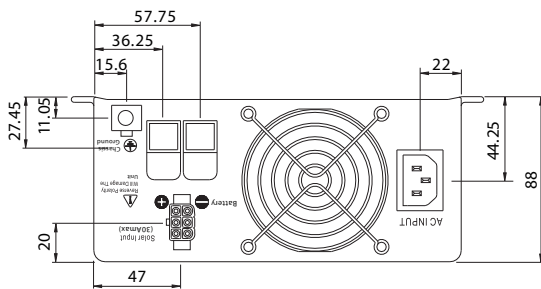
■ AC Output Receptacles (optional)


ELECTRICAL SPECIFICATIONS OF CHARGER

MODEL		TN-1500-112 □	TN-1500-124 □	TN-1500-148 □	TN-1500-212 □	TN-1500224 □	TN-1500-248 □
AC CHARGER	CHARGE CURRENT	5.5A ±0.5A	2.7A ±0.4A	1.35A ±0.2A	5.5A ±0.5A	2.7A ±0.4A	1.35A ±0.2A
	BATTERY TYPES	Open & sealed Lead Acid					
	CHARGE VOLTAGE	14.5V ±4%	29V ±4%	58V ±4%	14.5V ±4%	29V ±4%	58V ±4%
	SHORT CIRCUIT PROTECTION	Constant current limiting					
SOLAR CHARGER	MAX OPEN CIRCUIT VOLTAGE	25V	45V	75V	25V	45V	75V
	CHARGE CURRENT (max.)	30A					
	Vmax CHARGE VOLTAGE	14.5 ±4%	29V ±4%	58 ±4%	14.5 ±4%	29 ±4%	58 ±4%
BATTERY	BATTERY TYPES	Open & sealed Lead Acid					

Mechanical Specification

Unit:mm


Output Derating and Curve
