

- TN-1500 series will automatically detect the input sources (whether AC main or solar panels exist) and then adjust its internal setting. Users can also set up the operating mode, output voltage, frequency, and saving mode by themselves based on their special needs, geographic area, and environmental conditions.
- With pure sine wave output, TN/TS-1500 can provide 1500W continuously, 1750W for 3 minutes, or 20~40A of peak current for all kinds of load such as inductive, capacitive, or resistive. General applications include PC, ITE, vehicles, yachts, home appliances, motors, power tools, industrial control equipments, AV system, and etc...

2.1 Features

- Selectable UPS or Energy saving mode
- True sine wave output (THD<3%)
- 1500W rated output
- High efficiency up to 90%
- Complete LED indication for operating status
- Battery low alarm and indicator
- Surge power capability up to 3000W
- Output voltage / frequency selectable
- Fully digital controlled
- Compliance to UL458 / FCC / E13 / CE
- Can be used for most of electronic products with AC input
- 2 year global warranty
- Solar charging current 30A max
- Fast transfer time < 10ms

2.2 Main Specification

	MODEL	112	124	148	212	224	248
O U T P U T	Rated power	1500W max. continuously, 1750W max. for 180 seconds, 2250W max. for 10 seconds, 3000W for 30 cycle					
	Surge Current	40A (500ms typ.)			20A (500ms typ.)		
	Factory setting	110V 60Hz			230V 50Hz		
	Output voltage	100 / 110 / 115 / 120V			200 / 220 / 230 / 240V		
	Frequency	50 / 60Hz±1Hz					
	WAVEFORM	True sine wave (THD <3.0%)					
	PROTECTION	AC short · Overload · Over Temperature					
I N P U T	BAT. VOLTAGE	10.5 ~ 15.0V	21.0 ~ 30.0V	42.0 ~ 60.0V	10.5 ~ 15.0V	21.0 ~ 30.0V	42.0 ~ 60.0V
	DC CURRENT	150A	75A	37.5A	150A	75A	37.5A
	EFFICIENCY	87%	89%	90%	88%	90%	91%
	OFF MODE CURRENT DRAW	Under 1.0mA at power switch OFF					
	PROTECTION	Over current · battery polarity reverse by fuse · battery low shutdown · battery low alarm					
C H A R G E R	CHARGE VOLTAGE	14.5V	29.0V	58.0V	14.5V	29.0V	58.0V
	AC 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
	SOLAR OPEN CIRCUIT VOLTAGE	25Vmax	45Vmax	75Vmax	25Vmax	45Vmax	75Vmax
	SOLAR CHARGE CURRENT	30A max.					