

Thunder-TP INVERTER

PRODUCT DESCRIPTION

Introducing all-new Tandhan Power's THUNDER-TP Series. A Modern Pure Sine Wave Inverter/UPS range, endowed with first in segment features. The Pure Sine Wave output is clean, regulated, completely stable, distortion-free and absolutely safe for running the most sophisticated and sensitive modern appliances. Based on advanced/next generation inverter technology, Tandhan Power ensures the highest safety and efficiency in the class.

PRODUCT HIGHLIGHTS

- Modern Pure Sine Wave Home Inverter UPS
- Safe for sensitive equipment
- LED multi-information display
- Smart ASIC (auto sense intelligence control) technology optimises charging profile for long battery life
- Best in Class Switchover for Uninterrupted Work and Equipment Protection
- Noiseless Operations
- Battery Charging even at Input Voltage as low as 110V AC



Range 1150 VA to 5500 VA

PRODUCT SPECIFICATIONS

MODEL NAME	1150	1500	1650	2875	4000	5500
Output Capacity (Bulb Load)	720 W	900 W	1200 W	1900 W	2800 W	4000 W
INPUT PARAMETERS						
Battery Input Nominal Voltage (Vdc)	12 V			24 V	48 V	
Main Input Voltage Range (UPS Mode)	180 VAC - 265 VAC ± 5 VAC					
Main Input Voltage Range(Normal Mode)	90 VAC - 280 VAC ± 10 VAC					
BATTERY CHARGING						
Max. Grid Charging Current	11A, 15A (2 modes)	12A, 18A (2 modes)				
MODES						
UPS/NORMAL	Via Switch (Back Side)					
Charging Mode (HC/NC)	Via Switch (Back Side)					
Battery Mode (TT/FT)	Via Switch (Back Side)					
OUTPUT PARAMETERS						
Wave Form Type	PURE SINE WAVE					
Output Frequency	50 Hz ± 0.5 Hz					
Overload Protection	Provided at >100% with Auto Reset					
Low Battery Protection	Provided at ≤ 10.4V (Per Battery) with Auto Reset					
Short Circuit Protection	Provided at ≥ 300% with Manual Reset					
Over Temperature Protection	Provided at > 85°C					
CHANGE OVER TIME						
In UPS Mode	≤12 milliseconds					
In Normal Mode	≤50 milliseconds					
BATTERY PARAMETER (PER BATTERY)						
Boost Voltage	TT Mode : 14.6 VDC ± 0.2 VDC			FT Mode : 14.2 VDC ± 0.2 VDC		
Float Voltage	TT Mode : 13.8 VDC ± 0.2 VDC			FT Mode : 13.5 VDC ± 0.2 VDC		
Low Battery Warning	10.6 VDC ± 0.2 VDC					
Low Battery Cut	10.4 VDC ± 0.2 VDC					
ENVIRONMENT						
Forced Cooling	Through Cooling FAN					
Humidity	0-90% Non Condensing					
Operating & Storage Temperature	0-45°C					
DISPLAY PARAMETERS						
Display Type	LCD					
Parameters	Mains ON/OFF, Charging/Charged, Back-up ON, Low Battery, Over-load, Short Circuit, Over Temperature, Mains Fuse Blown/MCB Trip					

Note: Specifications and models subject to change without prior notice