

TECHNICAL SPECIFICATIONS: Thunder-TP

Output Parameters

Wave Form Type	PURE SINE WAVE
Output Voltage Regulation	200 VAC \pm 10%
Output Frequency	50 Hz \pm 0.5 Hz
Overload Protection	Provided at >100% with Auto Reset
Low Battery Protection	Provided with Auto Reset
Short Circuit Protection	Provided at \geq 300% with Manual Reset
Over Temperature Protection	Provided at \geq 85deg. C

Change Over Time

In UPS Mode	<15 milliseconds
In Normal Mode	\leq 50 milliseconds

Battery Parameter (Per Battery)

Boost Voltage	TT Mode : 14.5 VDC \pm 0.2 VDC FT Mode : 14.2 VDC \pm 0.2 VDC
Float Voltage	TT Mode : 13.8 VDC \pm 0.2 VDC FT Mode : 13.5 VDC \pm 0.2 VDC
Low Battery Warning	10.6 VDC \pm 0.2 VDC
Low Battery Cut	10.4 VDC \pm 0.2 VDC

Environment

Forced Cooling	Through Cooling FAN
Humidity	0-90% Non Condensing
Operating and Storage Temperature	0-45deg. C

Display Parameters

Display Type	LED
Parameters	Mains Available, Charging / Charged, Back Up ON, Low Battery, Over Load & Short Circuit and Power Switch ON/OFF

Note : Specifications and models subject to change without prior notice

PURE SINE WAVE

TRULY
MADE IN INDIA

PURE SINE WAVE

DPT
DHAKA POWER TRADERS

TANDHAN POWER

LIVE LIFE NON-STOP

TANDHAN POWER

LIVE LIFE NON-STOP



SERVICE SUPPORT

DPT
SERVICE
ZONE



Trained Technical Team



Advanced Testing Tools



Genuine Spare Parts



Round the Year Customer Service

COMPLIANCE
ASSURANCE By
DPT Team



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INVERTER — RANGE —

SUNMAX SOLAR INVERTER | Thu/der-TP INVERTER

DHAKA POWER TRADERS

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Product Description:

Introducing the all-new Tandhan Power-Sunmax series. In a world of me-too-products, you will find Pure Sine Wave' Solar PCU a generation ahead of the entire category. That is because our breakthrough 'chip embedded sine wave' technology delivers the same current as you get from your mains.

Product Highlights:

- ⚡ Sine Wave Output suitable for PC
- ⚡ DSP Based Intelligent Control Circuit
- ⚡ DSP Based Smart Charger
- ⚡ Smarter Overload Senses and Short Circuit Protection
- ⚡ Battery State Monitoring
- ⚡ Graphical (LED)/LCD Display (Message and Faults)
- ⚡ Great Power Saving



TECHNICAL SPECIFICATIONS: SUNMAX					
Solar Charge Controller					
Type	PWM				
Solar Input Voltage range (Vmpp)	15V - 30V	30V-42V	60V-84V	120V - 170V	
Max Solar DC Input Voltage (Voc)	37 V	50 V	100 V	200 V	
Maximum Solar Panel Capacity (W)	660 WP	1600 WP	3500 WP	5000 WP	6700 WP
Max. Solar Current	40 A	50 A	60 A	80 A	50 A
Charger Efficiency	Uptp 92%				
Environment					
Forced Cooling	Through Cooling FAN				
Humidity	0-90% Non Condensing				
Operating and Storage Temperature	0-45deg. C				
Display Parameters					
Display Type	Dual Display (LCD & LED)				
Parameters	Solar ON/OFF, Switch On/Off, Main On/Off, Main Fuse Blown / MCB Trip, Load Level Graph, PV Current and Voltage, Warnings & Protections, System Capacity, Energy Saver Mode On/Off, UPS/Normal Mode Status Etc				
Connectivity	Bluetooth / Wifi (Optional)				
Mechanical Parameters (Without Packing)					
Dimension (LxWxH) mm	275x230x133	265x400x167	315x290x460	410x350x500	
Note: Specifications and models subject to change without prior notice					

TECHNICAL SPECIFICATIONS: SUNMAX					
Model	SUNMAX 1150	SUNMAX 2000	SUNMAX 3500	SUNMAX 5000	SUNMAX 5000
System Rating (VA/W)	900 VA	2000 VA	3500 VA	5000 VA	
Nominal Input Battery Voltage	12 V	24 V	48 V		96 V
Solar Charger Rating	40 A	50 A	60 A	80 A	50 A
Input Parameters					
Nominal Input Battery Voltage	12 V	24 V	48 V	96 V	
Main Input Voltage Range (UPS Mode)	180 VAC - 265 VAC ± 5 VAC				
Main Input Voltage Range (Normal Mode)	100 VAC - 280 VAC ± 15 VAC				
Battery Charging					
Max. Grid Charging Current to Battery	15 A				
Max. Solar Charging Current to Battery	20 A	30 A	25 A		
Modes					
Energy Saver Mode	Via Switch (Front Side Touch Feel)				
Solar Charging Selection Mode	Via Switch (Front Side Touch Feel)				
Grid Charging ON/OFF Mode	Via Energy Saver Modes				
UPS/NORMAL Mode	Via Switch (Front Side Touch Feel)				
Output Parameters					
Wave Form Type	PURE SINE WAVE				
Output Voltage Regulation	200 VAC ± 10%		210 VAC ± 10%		
Output Frequency	50 Hz ± 0.5 Hz				
Peak Efficiency (with linear load)	≥ 73%	≥ 77%	≥ 80 %		
Distortion (THD)	<3% on linear load				
Overload Protection	Provided at < 10.4V (Per Battery) 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 ≥85deg. C		Provided at >90deg. C		
Change Over Time					
In UPS Mode	≥12 milliseconds				
In Normal Mode	≥50 milliseconds				
Battery Parameter (Per Battery)					
Boost Voltage	14.4 VDC ± 0.2 VDC				
Float Voltage	13.5 VDC ± 0.2 VDC				
Low Battery Cut	10.4 VDC ± 0.2 VDC				
Battery Type	12 V (100AH to 240AH)		12 V (100AH to 300AH)		

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 gen 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



TECHNICAL SPECIFICATIONS: Thunder-TP							
Model	550	750	950	1050	1150	1650	2250
System Rating (VA)	400 VA	600 VA	800 VA	900 VA	1000 VA	1500 VA	2000 VA
Input Parameters							
Nominal Input Battery Voltage	12 V		24 V				
Main Input Voltage Range (UPS Mode)	180 VAC - 265 VAC ± 5 VAC						
Main Input Voltage Range (Normal Mode)	100 VAC - 280 VAC ± 15 VAC						
Battery Charging							
Grid Charging Current	NC : 7A; HC : 10A			NC : 11A; HC : 15A			
Modes							
UPS/NORMAL	Via Switch						
Charging Mode	HC/NC Via Switch						
Battery Mode	TT/FT Via Switch						