

# Modified Sine Wave Inverter – TBE 1500W



## Data Specification

Description	T12P1500-1	T24P1500-1	T48P1500-1	T12P1500-2	T24P1500-2	T48P1500-2
Continuous Power	1500W					
Surge Power	3000W					
DC Voltage	DC12V	DC24V	DC48V	DC12V	DC24V	DC48V
AC Voltage	100VAC or 110VAC or 120VAC $\pm 5\%$			220VAC or 230VAC or 240VAC $\pm 5\%$		
Efficiency	50 Hz $\pm 0.5\text{Hz}$ or 60 Hz $\pm 0.5\text{Hz}$					
Wave Form	Modified Sine Wave					
AC Regulation	THD < 3% (Linear Load)					
USB Outlet	5V 500MA					
Output Efficiency	60% - 95%					
DC Voltage Range	10.0-15.5V	20.0-31.0V	40.0-61.0V	10.0-15.5V	20.0-31.0V	40.0-61.0V
Low Voltage Alarm	10.5 $\pm 0.5\text{V}$	21.0 $\pm 0.5\text{V}$	42.0 $\pm 1.0\text{V}$	10.5 $\pm 0.5\text{V}$	21.0 $\pm 0.5\text{V}$	42.0 $\pm 1.0\text{V}$
Low Voltage Shut Down	10.0 $\pm 0.5\text{V}$	20.0 $\pm 0.5\text{V}$	40.0 $\pm 1.0\text{V}$	10.0 $\pm 0.5\text{V}$	20.0 $\pm 0.5\text{V}$	40.0 $\pm 1.0\text{V}$
Over Voltage Shut Down	15.5 $\pm 0.5\text{V}$	31.0 $\pm 0.5\text{V}$	61.0 $\pm 1.0\text{V}$	15.5 $\pm 0.5\text{V}$	31.0 $\pm 0.5\text{V}$	61.0 $\pm 1.0\text{V}$
Low Voltage Recovery	13.0 $\pm 0.5\text{V}$	24.0 $\pm 0.5\text{V}$	48.0 $\pm 1.0\text{V}$	13.0 $\pm 0.5\text{V}$	24.0 $\pm 0.5\text{V}$	48.0 $\pm 1.0\text{V}$
Over Voltage Recovery	14.8 $\pm 0.5\text{V}$	29.5 $\pm 0.5\text{V}$	59.0 $\pm 1.0\text{V}$	14.8 $\pm 0.5\text{V}$	29.5 $\pm 0.5\text{V}$	59.0 $\pm 1.0\text{V}$
Protection	Low Voltage/ Over Voltage		LED, LED Red Light, Turn off and alarm			
	Over Load		LED, LED Red Light, Turn off, lock up and alarm			
	Over Temp		LED, LED Red Light, Turn off and alarm			
	Short Circuit		LED, LED Red Light, Turn off and alarm			
	Input Oppose		Diode or Mos FET			
Working Temperature	-10°C - +50°C					
Storage Temperature	-30°C - +70°C					
Production Size(mm)	188*95*55					
N.W/G.W(Kg)	1.5					
Start	Bipolar Soft-Start					
Cooling Way	Intelligent Cooling Fan					