



# Hybrid MPPT Solar Inverter



## TECHNICAL PARAMETER

NEW MODEL	TM ECO 4.2K/24V	TM-ECO 6.2K/48V	TM-ECO 8.2K/48V	TM-ECO 10.2K/48V
Max.PV Power	6200W	6500W	8200W	10200W
Rated Power	4200VA/4200W	6200VA/6200W	8200VA/8200W	10200VA/10200W
Max.Charge Current	120A	120A	160A	160A
<b>BATTERY</b>				
Battery Voltage	24VDC	48VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC	54VDC
Overcharge Protection	33VDC	63VDC	63VDC	63VDC
Battery Type	Compatible with GEL, AGM, Lithium Battery			
<b>GRID INPUT</b>				
Voltage	230 VAC			
Selectable Voltage Range	170-280VAC(For Personal Computers);90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
Efficiency(AC Mode)	98%			
<b>AC OUTPUT</b>				
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%			
Surge Power	8400VA	12400VA	16400VA	20400VA
Efficiency (Peak)	90%~94%			
Transfer Time	15 ms(For Personal Computers);20 ms (For Home Appliances)			
Waveform	Pure sine mave			
<b>DUAL LOADS AC OUTPUT</b>				
Full Load	4200W	6200W	8200W	10200W
Maximum Main Load	4200W	6200W	8200W	10200W
Maximum Second Load (Battery Mode)	1200W	2100W	2800W	3400W
Main Load Cut Off Voltage	22VCD	44VCD	44VCD	44VCD
Main Load Return Voltage	27VCD	54VCD	54VCD	54VCD
<b>SOLAR CHARGER &amp;AC CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Power	6200W	6500W	4100W*2	5100W*2
Max. input Current	27A	27A	27A	27A
MPPT Range @ Operating Voltage	90~450VDC	90~450VDC	90~450VDC	90~450VDC
Maximum PV Array Open Circuit Voltage	500 VDC			
Maximum Solar Charge Current	120A	120A	160A	160A
Maximum AC Charge Current	100A	100A	140A	140A
Maximum Charge Current	120A	120A	160A	160A
<b>PHYSICAL</b>				
Packing Dimension,DXWXH(mm)	543*394*204	543*394*204	700*510*232	700*510*232
Net Weight (kgs)	9.8	10.5	17.2	19.1
Communication Interface	USB/RS232/WIFI/GPRS			
<b>OPERATING ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			
Product specifications are subject to change without further notice.				

## MAIN FEATURES

- ☉ Pure sine wave Hybrid inverter can feed to grid
- ☉ Optional Local WIFI&GPRS available for IOS and Andoid
- ☉ Inverter running without battery
- ☉ Build-in Lithium battery automatic activation
- ☉ Build-in 120A/160A MPPT solar charger
- ☉ High PV input voltage rang (90~450VDC)
- ☉ Dual output L1/L2
- ☉ Battery independent design
- ☉ User-friendly LCD operation
- ☉ Enhanced charging power

## Solar System Connection

