

Hybrid Inverter

TCI M II Off-Grid Inverter with Energy Storage



- Built-in MPPT Solar Charger
- Reserve BMS communication
- Self-consumption and Feed-in to the grid
- Built-in WiFi for mobile monitoring (APP is available)



TCI M II: Off-Grid Inverter with Energy Storage



- Detachable LCD control module with various communications
- Built-in WiFi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Replaceable fan design for ease of maintenance

MODEL	TCI M II 3.0	TCI M II 5.0	TCI M II 6.0
RATED POWER	3000VA/3000W	5000VA/5000W	6000VA / 6000W
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	230VAC ± 5%	230VAC ± 10%
Surge Power	6000VA	10000VA	12000VA
Efficiency (Peak)	90% ~ 93%		93%
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For HomeAppliances)		10 ms (For Personal Computers) ; 20 ms (For HomeAppliances)
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger type	MPPT		
Maximum PV Array Open Circuit Voltage	500VDC		
Maximum PV Array Power	4000W	5000W	6000W
MPP Range @ Operating Voltage	120-450 VDC		
Maximum Solar Charge Current	100A		120A
Maximum AC Charge Current	100A		100A
Maximum Charge Current	100A		120A
PHYSICAL			
Dimension, D x W x H (mm)	115 X 300 X 400		
Net Weight (kgs)	9	10	10
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact		
STANDARD			
Compliance Safety	IEC61683 / IEC62109 / EN60950 / EN55032		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		