



TCM-HSI500W

Solar Panel Inverter

350W~1200W

Stable & Durable

- Latest toroidal transformer could handle triple surge power
- Inbuilt AVR stabilizer for stable output

High Efficiency

- Inverter transfer efficiency up to 85%

Stable & Durable

- Inbuilt 15A AC charger
- Inbuilt 20A/30A PWM solar charger

Feature:

- Rates Power 500Watt
- AC input 165-175VAC 50Hz
- AC Output 220V 50Hz
- DC Output 12VDC
- Battrey 12V, Gel,AGM,MF
- Max Solar voltage 30V
- Max Solar Charger 20APWM

Model	TCM-HSI350W	TCM-HSI500W	TCM-HSI600W	TCM-HSI800W	TCM-HSI1000W	TCM-HSI1200W
Rated power	350W	500W	600W	800W	1000W	1200W
Surge power	1050W	1500W	1800W	2400W	3000W	3600W
AC Input & Output						
Voltage	220VAC					
Selectable Voltage Range	165-275VAC (220VAC)					
Frequency Range	50Hz/60Hz automatic recognition					
AC Voltage Regulation (BATT. Mode)	(DC Batt.mode)220vac±3%					
Transfer Time	≤8ms					
Wave Form	Pure Sine Wave					
Transformer type	Toroidal					
Transfer eefficiency	≤85%					
Battery						
Battery Voltage	12V				12V/24V	
Type	Gel/SLA/VAGM/Water battery					
DC Charge Voltage	13.8VDC(12V)/27.6VDC(24V)					
Overcharge Protection	Battery voltage ≥ 16VDC (12V) ≥ 32VDC (24V), stop charging after 60s alarm					

Solar Charge & AC Charger

Maximum PV Array Open Circuit Voltage	Max. 30V (12V) / 50V (24V)					
Maximum Pv Array Power	450W (12V) / 900W (24V)					
Maximum Ac Charge Current	15A					
Maximum Solar Charge Current	20A PWM			30A PWM		
Maximum Charging Current	35A			45A		
Working mode						
01 mode	AC mains priority					
02 mode	ECO mode					
03 mode	DC battery priority					
Physical						
Dimension, D*W*H (MM)	360*33*215					
G.W.(KGS)	8.5	8.5	9	9	10	10
Environment						
Humidity	0~95% (NO CONDESNSATION)					
Operating Temperature	0~60°C					
Storage Temperature	0~60°C					

Connections Diagram



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