



TDS Series Hybrid Solar Inverter

7~10KW Available

Intelligent Control

- Five smart control mode, auto switch for different demand
- RS485 communicational portal, for app & external screen control

High efficiency

- Inverter transfer efficiency up to 85%
- Inbuilt MPPT efficiency more than 99%

Charger

- Inbuilt 20A AC charger
- Inbuilt 100A MPPT solar charger

Model	TDS-702	TDS-103
Rated power	7KW	10KW
Surge power	21KW	30KW

AC Input & Output

Voltage	220VAC
Selectable Voltage Range	140-275VAC (220/230/240VAC)±4%
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation (RATT Mode)	(DC Batt.mode)220vac±3%
Transfer Time	≤8ms
Wave Form	Pure Sine Wave
Transformer type	EI square
Transfer efficiency	≥85%

Battery

Battery Voltage	48/96VDC
Type	Gel/SLA/AGM/Water/Lithium(lifepo4) Battery
DC Charge Voltage	40~64VDC(48V)/ 80~128VDC(96V)

Solar charger & AC Charger

Maximum PV Array Open Circuit Voltage	200VDC
Maximum Pv Array Power	5600W(48V)/11500W(96V)
Maximum Ac Charge Current	20A
Maximum Solar Charge Current	100A MPPT
Maximum Charging Current	120A

Communication Portal

Type	RS485, available for wifi box & external control screen
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Physical

Dimension, D*W*H(MM)	640*400*820	
G.W.(KGS)	80	85

Environment

Humidity	0~95% (No condensation)	
Operating Temperature	0~60°C	
Storage Temperature	0~60°C	

*Product Specifications Are Subject To Change Without Further Notice