



FTS Series Hybrid Solar Inverter

1~6KW 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 35A AC charger
- Inbuilt 30A/60A MPPT solar charger

Model	FTS-102	FTS-152	FTS-202	FTS-302	FTS-402	FTS-502	FTS-602
Rated power	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW
Surge power	3KW	4.5KW	6KW	9KW	12KW	15KW	18KW

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	≤4ms						
Wave Form	Pure Sine Wave						
Transformer type	Toroidal						
Transfer efficiency	≥85%						

Battery

Battery Voltage	12V/24V	12V/24V/48V	24V/48V
Type	Gel/SLA/AGM/Water/Lithium(lifepo4) Battery		
DC Charge Voltage	12~16VDC(12V)/20~32VDC(24V)/40~64VDC(48V)		
Overcharge Protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V) ≥64VDC (48V), stop charging after 60s alarm		

Solar Charge & Ac Charger

Maximum PVArray Open Circuit Voltage	150VDC		
Maximum Pv Array Power	900W(12V)/1700W(24V)/3400W(48V)		
Maximum Ac Charge Current	35A(adjustable)		
Maximum Solar Charge Current	30/60A MPPT (OPTIONAL)	60A MPPT	
Maximum Charging Current	95A	95A	

Working mode

01 mode	AC mains priority mode
02 mode	ECO mode
03 mode	DC battery priority mode
04 mode	Generator mode
05 mode	Unattended mode

Communication Port

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

Dimension, D*W*H(MM)	600*380*270				780*380*280		
G.W.(KGS)	17	19	21	23	30	32	36

Environment

Humidity	0~95% (NO CONDESNSATION)						
Operating Temperature	0~60℃						
Storage Temperature	0~60℃						

*Product Specifications Are Subject To Change Without Further Notice