

Solar Hybrid Inverter

FTS Series

Features:

Intelligent Control

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

High efficiency

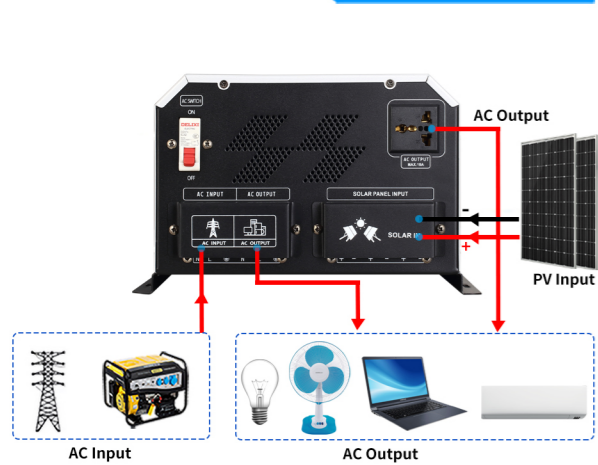
- Inverter transfer efficiency up to 85%
- Inbuilt MPPT efficiency more than 99%

Charger

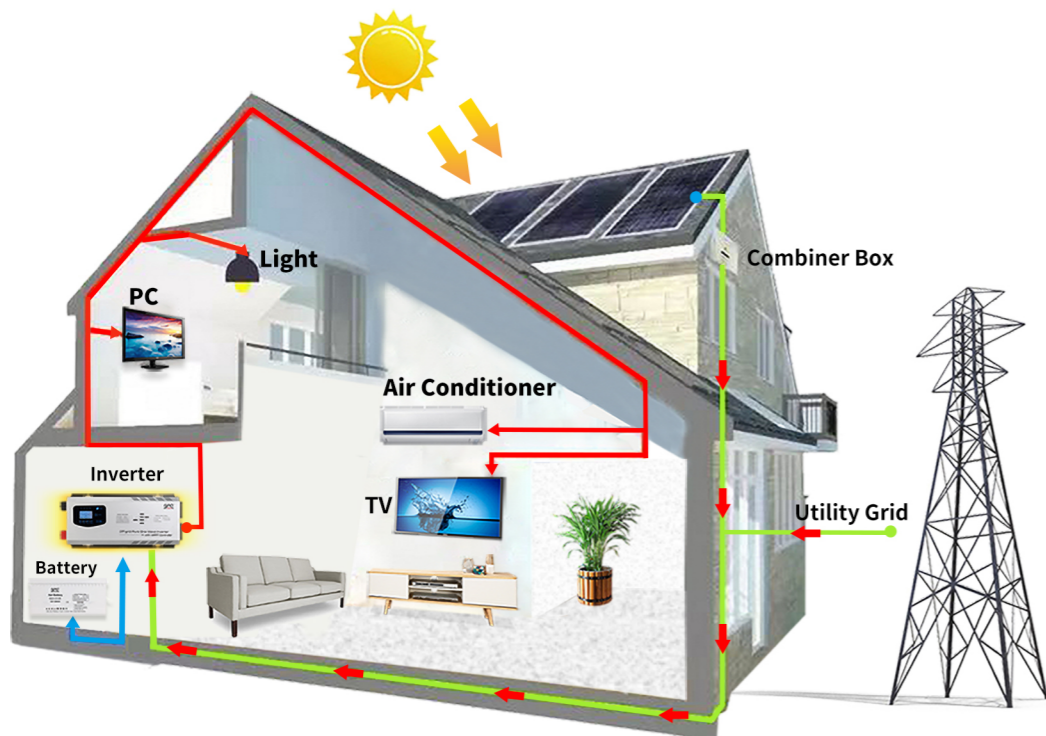
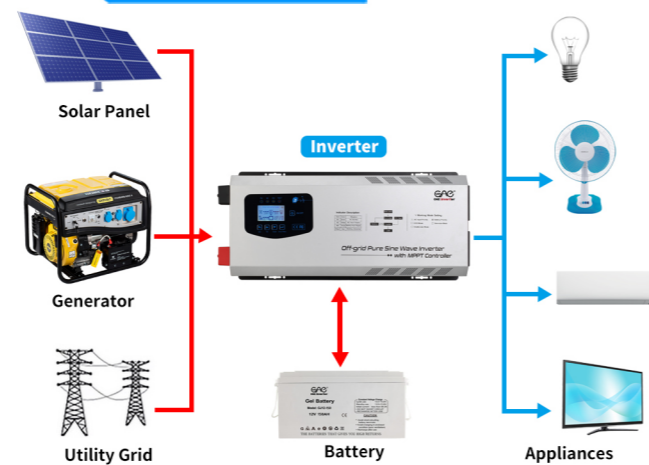
- Inbuilt 35A AC charger
- Inbuilt 30A/60A MPPT solar charger
- Can use with Lithium battery, Lifepo4 battery



Connection



Diagram



3D Visual

Solar Hybrid Inverter

Model	FTS-152	FTS-202	FTS-302	FTS-402	FTS-502	FTS-602
Rated power	1.5KW	2KW	3KW	4KW	5KW	6KW
Surge power	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	(DC Batt.mode)220vac±3%
Transfer Time	≤4ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≥85%

Battery

Battery Voltage	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

Type	MPPT Solar Charger Controller	
Maximum PV Array Working Circuit Voltage	150VDC	
Maximum PV Array Power	30A: 420W(12V)/840W(24V)/1650W(48V) 60A : 900W(12V)/1700W(24V)/3400W(48V)	60A:1700W(24V)/3400W(48V)
Maximum AC Charge Current	35A (adjustable)	
Maximum Solar Charge Current	30/60A MPPT (OPTIONAL)	60A MPPT
Maximum Charging Current	65A/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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Packing Details

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

Environment

Humidity	0-95% (NO CONDESNATION)
Operating Temperature	0-60°C
Storage Temperature	0-60°C

*Product Specifications Are Subject To Change Without Further Notice