



FSI Series Hybrid Solar Inverter

1~6KW Available

Stable & Durable

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

High efficiency

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

Charger

- Inbuilt 35A AC charger
- Inbuilt 30A/50A/60A MPPT solar charger

Model	FSI-102	FSI-152	FSI-202	FSI-302	FSI-402	FSI-502	FSI-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/ Lithium battery		
DC Charge Voltage	13.6-14.2VDC(12V)/27.2-28.4VDC(24V)/54.4-56.8VDC(48V)		
Overcharge Protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V) ≥64VDC (48V), stop charging after 60s alarm		

Solar Charge & Ac Charger

Maximum PVArray Working Circuit Voltage	150VDC		
Maximum Pv Array Power	700W(12V)/1400W(24V)		1400W(24V)/2800W(48V)
Maximum Ac Charge Current	35A (adjustable)		
Maximum Solar Charge Current	30/50A MPPT (OPTIONAL)		50A MPPT
Maximum Charging Current	85A		85A

Working mode

01 mode	AC mains priority
02 mode	Energy saving
03 mode	DC battery priority

Physical

Dimension, D*W*H(MM)	530*335*250				740*335*275		
G.W.(KGS)	16	18	20	22	33	35	36

Environment

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

*Product Specifications Are Subject To Change Without Further Notice