

FTS-SERIES 1KW-6KW HYBRID INVERTER

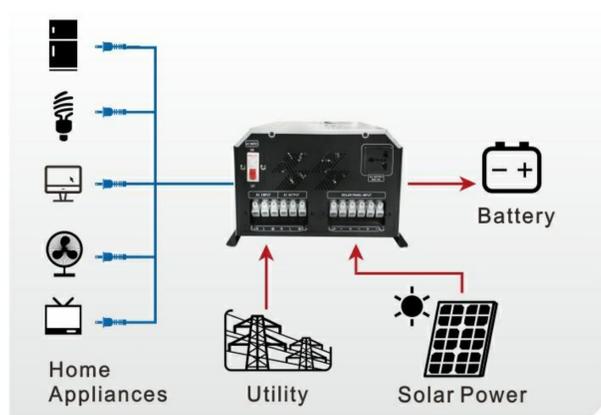
HYBRID INVERTER



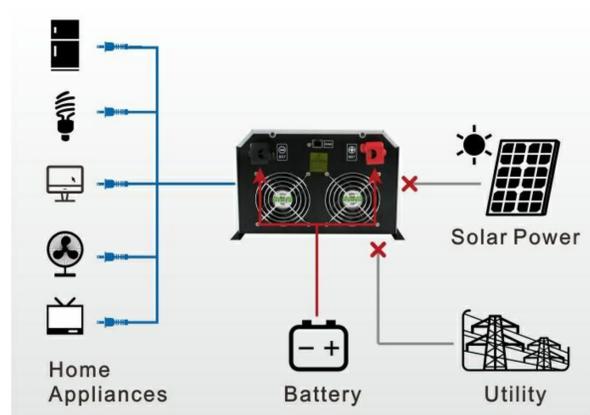
1. Built-in MPPT solar controller for maximum power point tracking, mppt efficiency is up to 99%.
2. DSP Intelligent control chip.
3. Result fetched from effective value, not average value.
4. Photoelectricity isolation circuitry technology.
5. Switching power is supplied by the independent system.
6. True over temperature protection.
7. The full bridge rectifier and mainboard structure are highly optimized. Input and output circuits are isolated.
8. Strong loading capacity with a true onetime soft start.
9. New and original electronic components.
10. Internal circuit lines and signal lines are based on plug-pull blocks, not welding.

Hybrid Inverter with MPPT solar charge controller

1 Solar Power and AC Power available



2 Solar Power and AC Power not available



FTS-SERIES HYBRID INVERTER SELECTION GUIDE

MODEL	FTS-102	FTS-202	FTS-302	FTS-402	FTS-502	FTS-602
RATED POWER	1KW	2KW	3KW	4KW	5KW	6KW
SURGE POWER	3KW	6KW	9KW	12KW	15KW	18KW
INPUT						
VOLTAGE	220VAC					
SELECTABLE VOLTAGE RANGE	145-265VAC			170-265VAC		
FREQUENCY RANGE	50Hz/60Hz±5Hz					
OUTPUT						
AC VOLTAGE REGULATION(BATT. MODE)	(DC BATT.MODE)220VAC±3%					
TANSFER TIME	≤5ms					
WAVE FORM	PURE SINE WAVE					
BATTERY						
BATTERY VOLTAGE	12V/24V			24V/48V		
FLOATING CHARGE VOLTAGE	13.8V(12V)/27.6V(24V)/55.2V(48V)					
OVERCHARGE PROTECTION	17V(12V)/34V(24V)/68V(48V)					
SOLAR CHARGE & AC CHARGER						
MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE	150VDC					
MAXIMUM PV ARRAY POWER	420W(12V)/840W(24V)			1400W(12V)/2800W(48V)		
STANDBY POWER CONSUMPTION	15W					
MAXIMUM AC CHARGE CURRENT	35A					
MAXIMUM SOLAR CHARGE CURRENT	30/50A(OPTIONAL)			30-60A(OPTIONAL)		
MAXIMUM CHARGING CURRENT	85A			95A		
PHYSICAL						
DIMENSION,D*W*H(mm)	530*335*250mm			740*335*275mm		
G.W.(KGS)	18.8	24.8	28.3	34.9	36.9	38.9
ENVIRONMENT						
HUMIDITY	0~95% (NO CONDENSATION)					
OPERATING TEMPERATURE	0~60℃					
STORAGE TEMPERATURE	0~60℃					

*PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE