

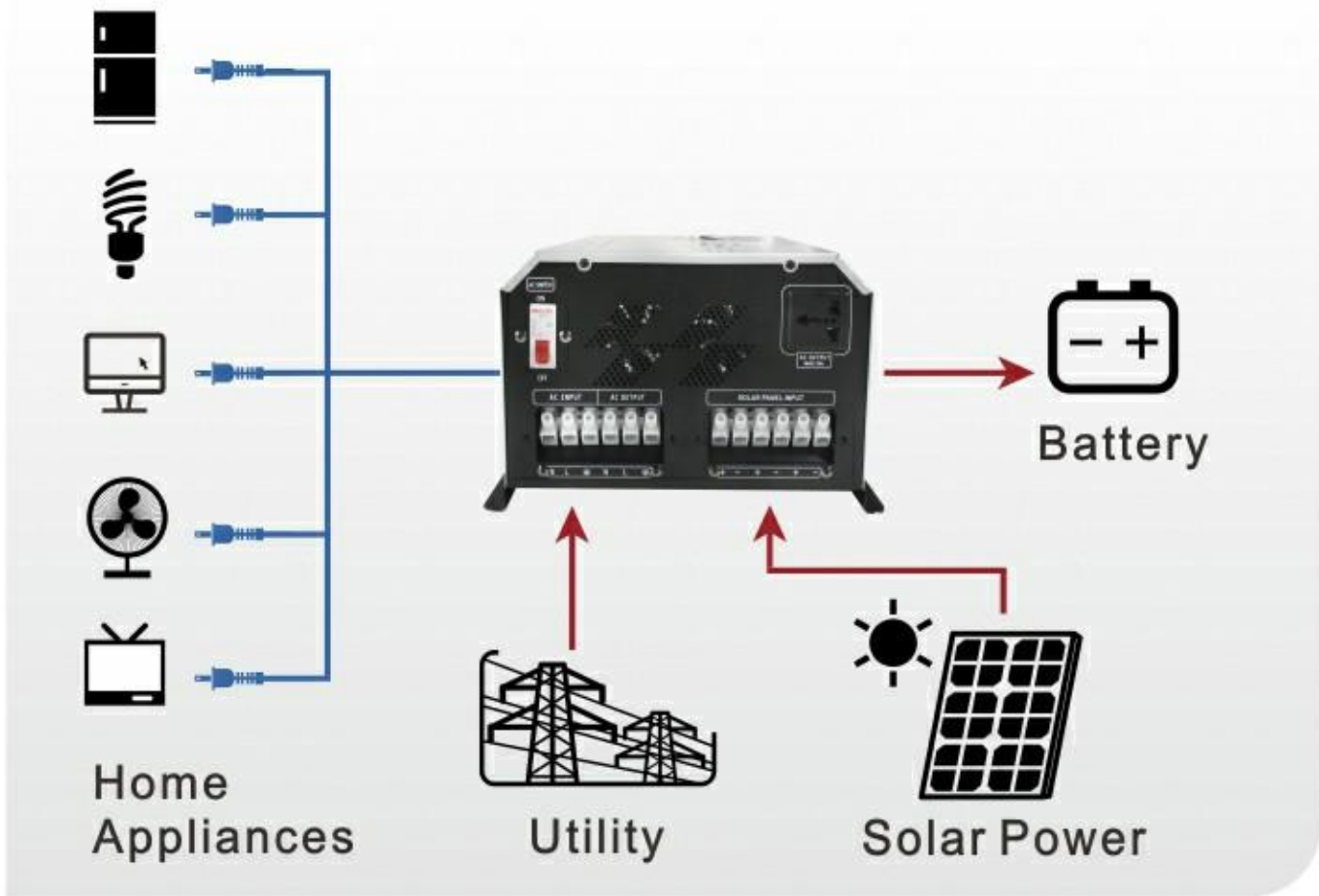
FTS-SERIES 1KW-6KW HYBRID INVERTER



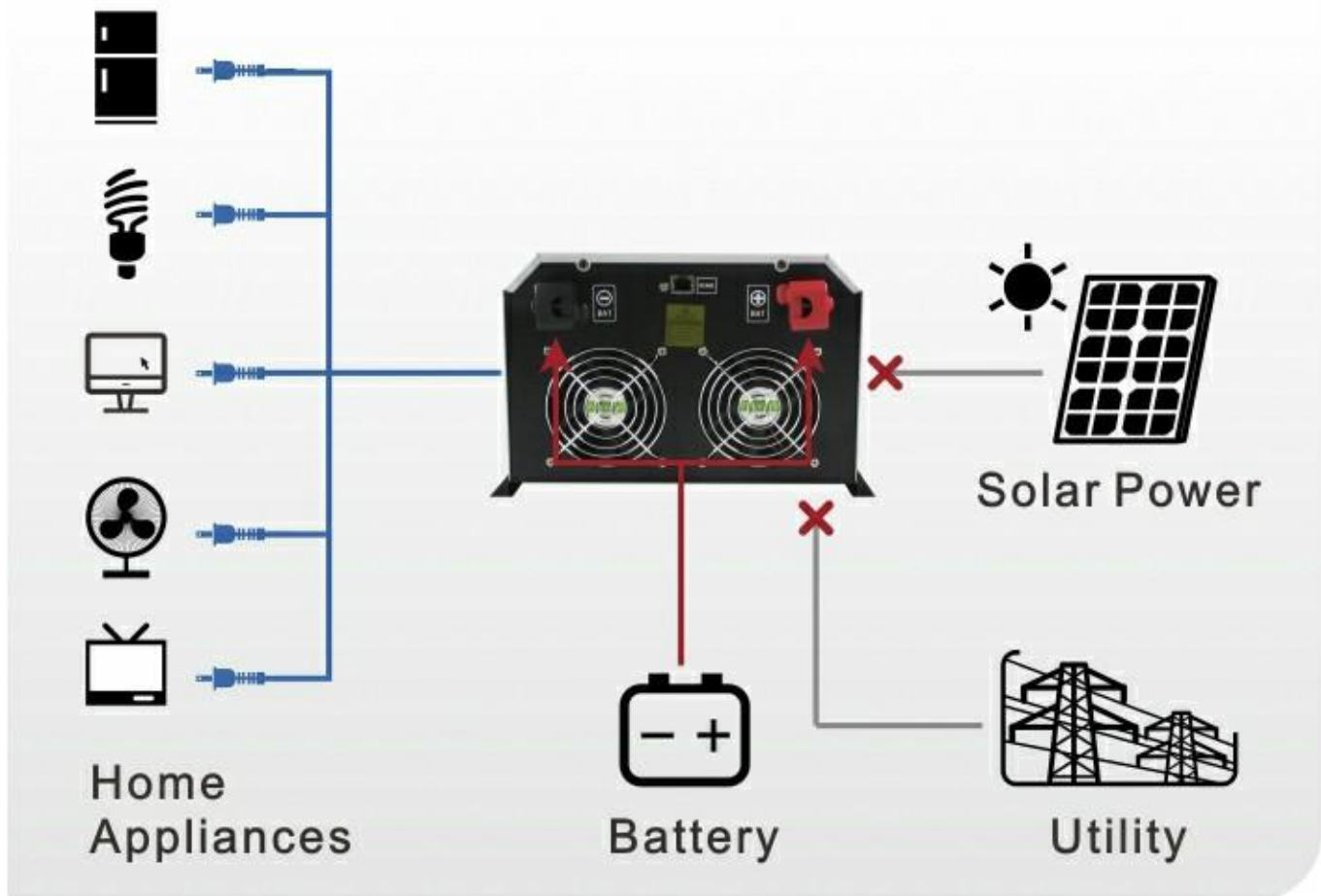
- 1. Built-in MPPT solar controller for maximum power point tracking, mppt efficiency is up to 99%.
- 2. DSP Intelligent control chip.
- 3. Result fetched from effective value, not average value.
- 4. Photoelectricity isolation circuitry technology.
- 5. Switching power is supplied by the independent 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 COMSUMPTION	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 CONDESNSATION)					
OPERATING TEMPERATURE	0~60℃					
STORAGE TEMPERATURE	0~60℃					

*PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE