

FSI-SERIES 1KW-7KW HYBRID INVERTER

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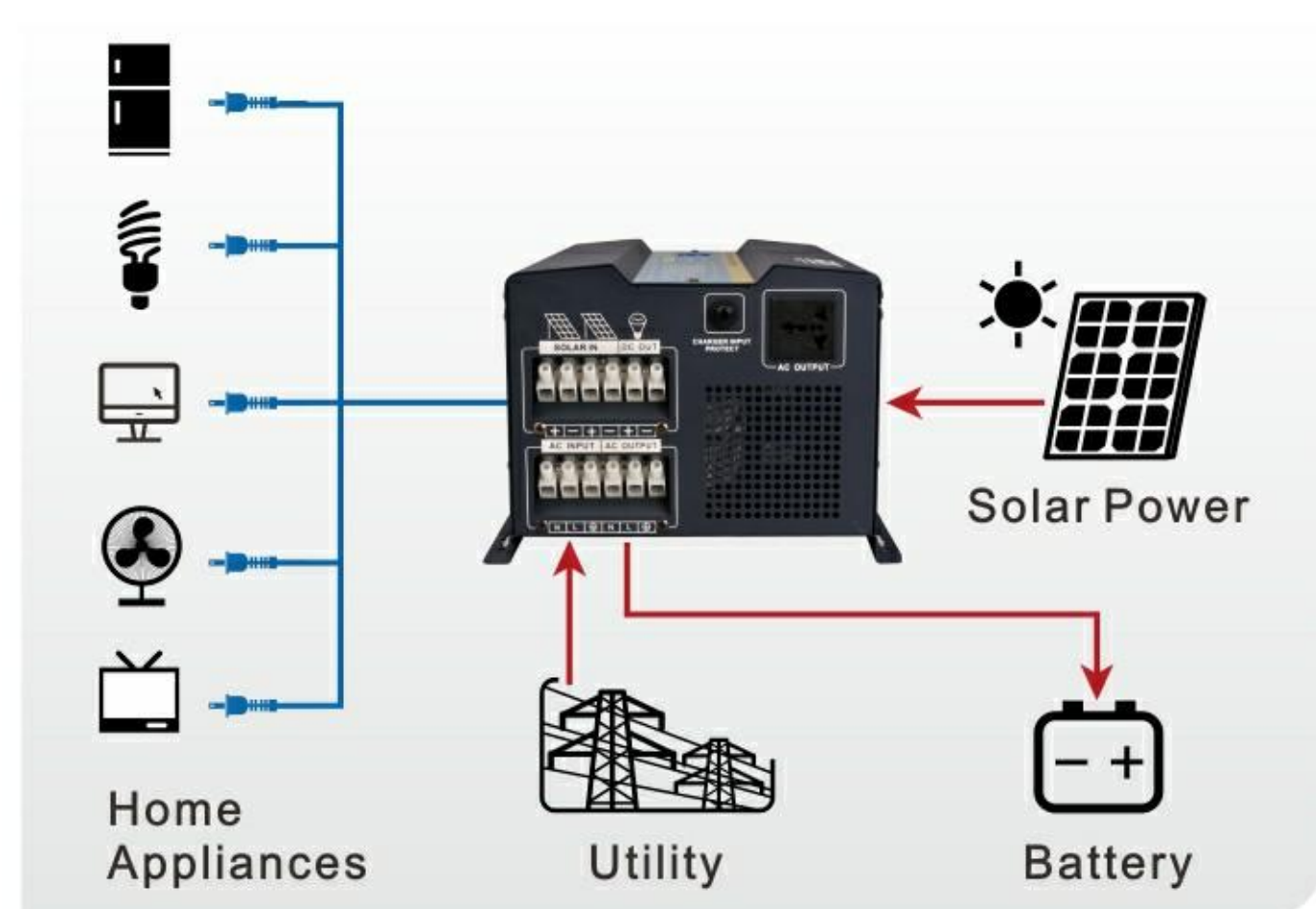
4KW-7KW

1KW-3KW

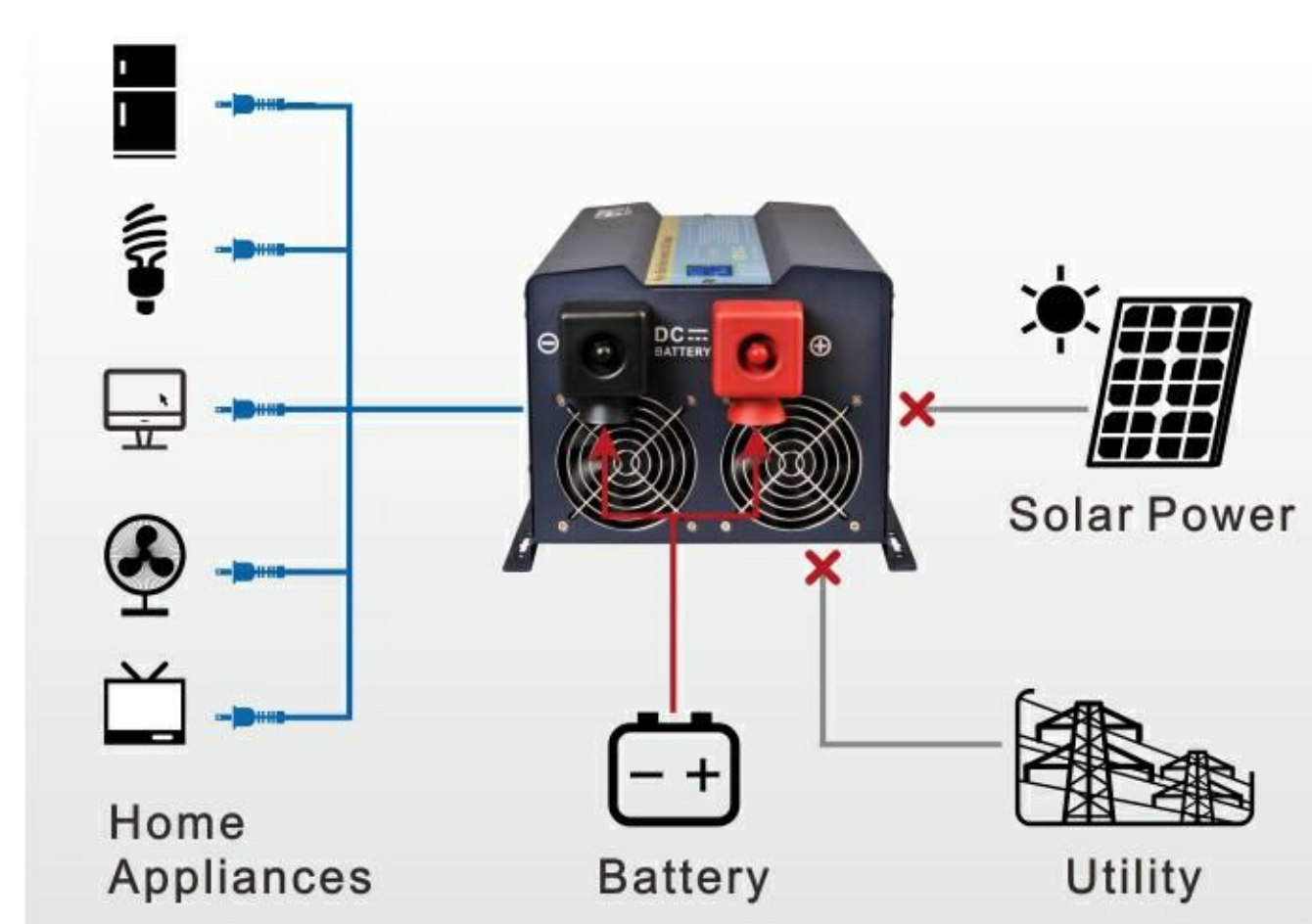
1. Built-in MPPT solar controller for maximum power point tracking, mppt efficiency is up to 99%.
2. DSP Intelligent control chip.
3. Result fetched from effective value, not average value.
4. Photoelectricity isolation circuitry technology.
5. Switching power is supplied by the independent system.
6. 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



FSI-SERIES SOLAR INVERTER SELECTION GUIDE

MODEL	FSI-102	FSI-152	FSI-202	FSI-302	FSI-402	FSI-502	FSI-602	FSI-702
RATED POWER	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	7KW
SURGE POWER	3KW	4.5KW	6KW	9KW	12KW	15KW	18KW	21KW
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	21.8	24.8	28.3	34.9	36.9	38.9	51.4
ENVIRONMENT								
HUMIDITY	0~95% (NO CONDESNSATION)							
OPERATING TEMPERATURE	0~60°C							
STORAGE TEMPERATURE	0~60°C							

*PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE