

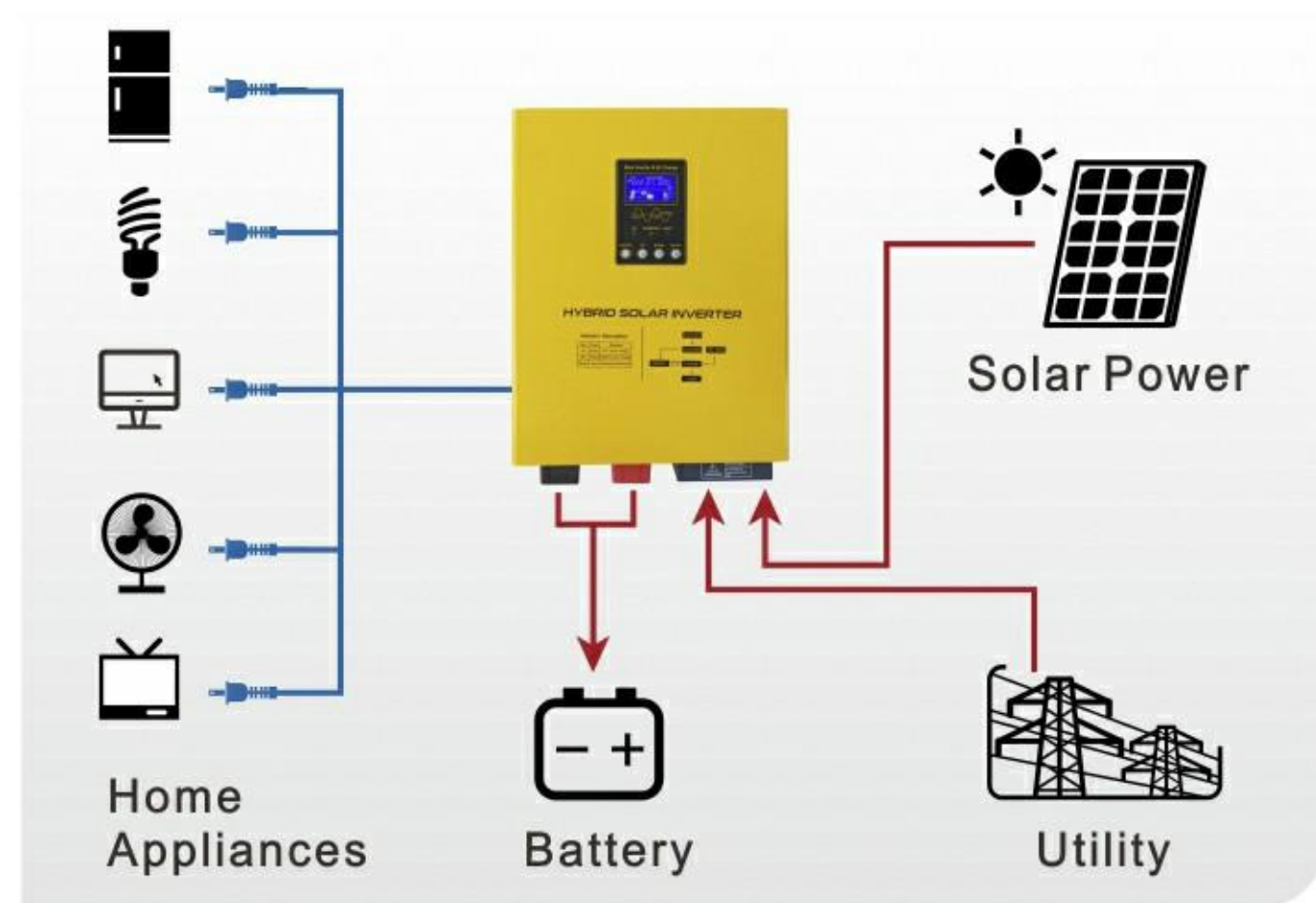
HSI-SERIES 2KVA-10KVA HYBRID INVERTER



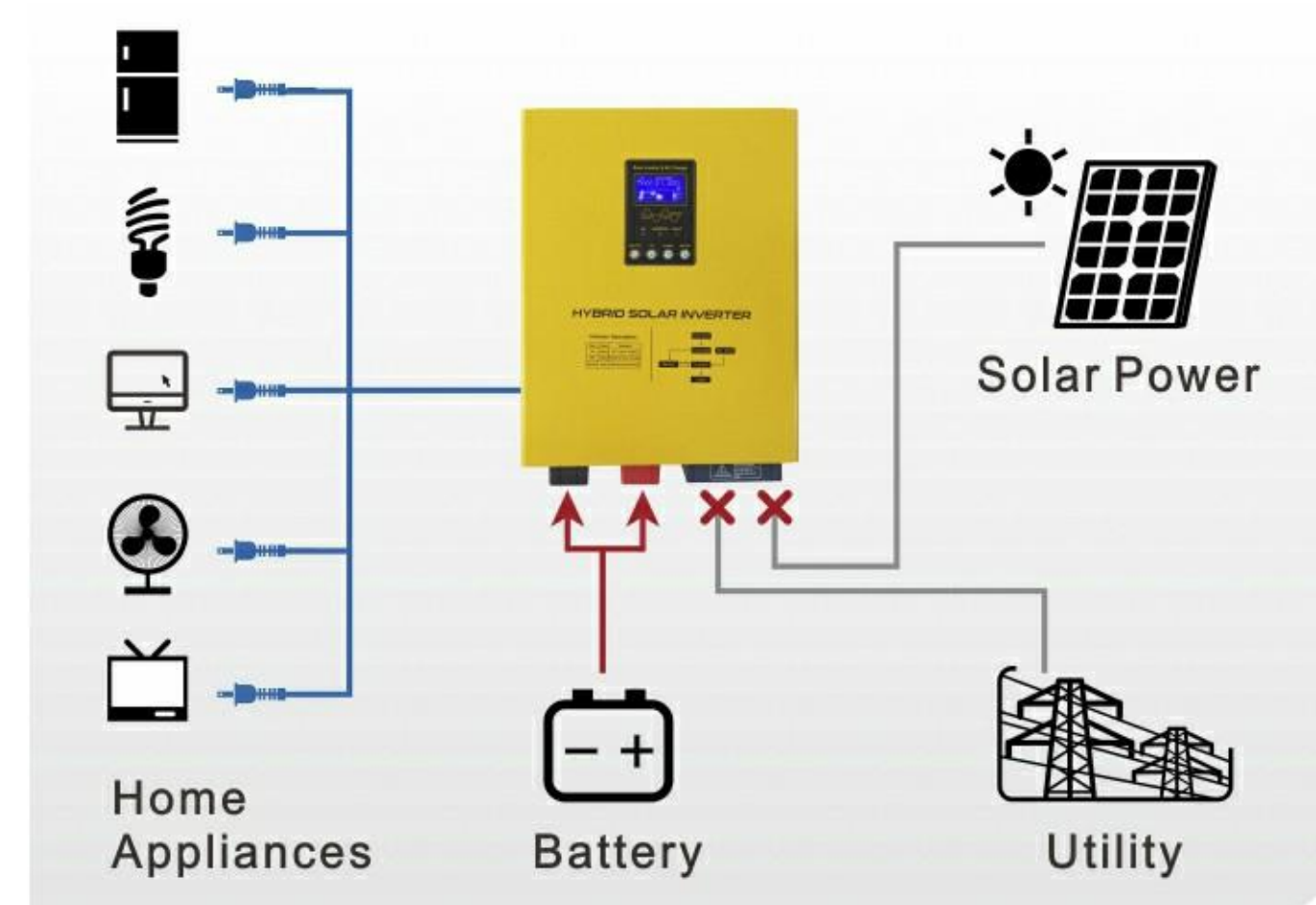
1. Built-in MPPT solar controller.
2. DSP Intelligent control chip.
3. Result fetched from effective value, not average value.
4. Photoelectricity isolation circuitry technology.
5. Switching power is supplied by the independent system.
6. True over temperature protection.
7. The full bridge rectifier 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



HSI-SERIES HYBRID INVERTER SELECTION GUIDE

| MODEL | HSI-2KVA | HSI-3KVA | HSI-4KVA | HSI-5KVA | HSI-6KVA | HSI-8KVA |
|---------------------------------------|--------------------------------------|-------------|--------------|------------|----------|----------|
| Rated Power | 1.5KW | 2KW | 3KW | 4KW | 5KW | 6KW |
| Surge Power | 4.5KW | 6KW | 9KW | 12KW | 15KW | 18KW |
| INPUT | | | | | | |
| Voltage | 220VAC | | | | | |
| Selectable Voltage Range | 145-265VAC | | | 165-275VAC | | |
| Frequency Range | 50Hz/60Hz±5Hz | | | | | |
| OUTPUT | | | | | | |
| AC Voltage Regulation (Batt. Mode) | (DC Battery mode)220VAC±3% | | | | | |
| Transfer Time | ≤5ms | | | | | |
| Waveform | Pure sine wave | | | | | |
| BATTERY | | | | | | |
| Battery Voltage | 12V/24V | | 24V/48V | | 48V | |
| Floating Charge Voltage | 13.8V(12V) / 27.6V(24V) / 55.2V(48V) | | | | | |
| Overcharge Protection | 17V(12V) / 34V(24V) / 68V(48V) | | | | | |
| SOLAR CHARGER & AC CHARGER | | | | | | |
| Maximum PV Array Open Circuit Voltage | 50VDC(PWM) | | 150VDC(MPPT) | | | |
| Maximum PV Array Power | 850W | 1150W | 3400W | | | |
| Standby Power Consumption | 15W | | | | | |
| Maximum Solar Charge Current | 50A | 40A | 60A | | | |
| Maximum AC Charge Current | 20A | | 35A | | | |
| Maximum Charge Current | 50A | 60A | 95A | | | |
| PHYSICAL | | | | | | |
| Dimension, D x W x H (mm) | 410X282X150 | 460X332X150 | 490X332X170 | | | |
| Net Weight (kgs) | 10 | 14 | 17 | 18 | 19 | 20 |
| ENVIRONMENT | | | | | | |
| Humidity | 0~95%(No condensation) | | | | | |
| Operating Temperature | 0~60°C | | | | | |
| Storage Temperature | 0~60°C | | | | | |

*PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE