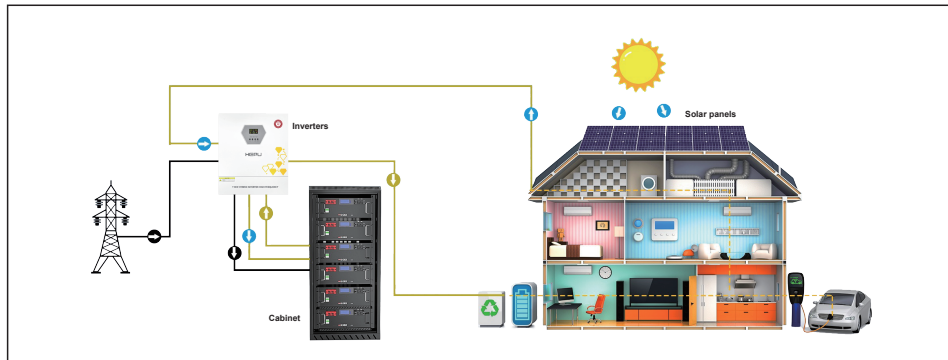




HYBRID SOLAR INVERTER

- Lithium battery auto-restart function, more convenient for lithium battery charging
- Intelligent power supply mode, intelligent distribution of solar panel/mains/battery power shares
- Utility charging voltage/PV charging voltage adjustable, match different battery charging requirements
- Convenient installation and transportation
- Battery reverse connection protection with fuse switch, safer installation
- PF1.0, high efficiency, lower consumption, energy conservation/environmental protection/electricity saving/cost saving
- Support working without battery: reduce solar system cost
- Communication option: external WIFI, supervise at any time
- High precision of output voltage, 5%, take care of your appliances
- BMS function for lithium battery



| Model | | 3024SMH | 3624SMH | 4024SMH | 5548SMH | 6248SMH | 11048MH | |
|-----------------------------|---|--|--|----------|-------------------------------------|----------|----------------|--------|
| Input | Input Sources | L+N+PE | | | | | | |
| | Rated Input Voltage | 220/230/240VAC | | | | | | |
| | Voltage Range | 90-280VAC±3V(APL Mode)170-280VAC±3V(UPS Mode) | | | | | | |
| | Frequency | 50Hz/60Hz(Auto Adaptive) | | | | | | |
| Output | Rated power | The battery inverts | 3000W | 3600W | 4000W | 5500W | 6200W | 11000W |
| | | Photovoltaic inverter | 3600W | 4500W | 4500W | 6500W | 6500W | 12000W |
| | Output Voltage | 220/230/240VAC±5% | | | | | | |
| | Output Frequency | 50/60Hz±0.1% | | | | | | |
| | Waveform | Pure Sine Wave | | | | | | |
| | Transfer Time (adjustable) | Computers(UPS Mode)10ms, Appliance(APL Mode)20ms | | | | | | |
| | Peak Power | 6000VA | 7200VA | 8000VA | 11000VA | 12400VA | 22000VA | |
| | Overload capacity | Battery mode11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load | | | | | | |
| Grid-connected operation | Output Voltage | 220/230/240VAC±5% | | | | | | |
| | Feed into the grid voltage range | 100-280VAC | | | | | | |
| | Feed into the grid frequency range | 47.53±1Hz/57.62±1Hz | | | | | | |
| | Nominal output current | 13A | 15.7A | 17.4A | 23.9A | 26.9A | 47.8A | |
| | Power Factor Range | > 0.99 | | | | | | |
| | Maximum conversion efficiency (DC/AC) | 98% | | | | | | |
| Battery | Battery Voltage | 24Vdc | 24Vdc | 24Vdc | 48Vdc | 48Vdc | 48Vdc | |
| | Constant Charging Voltage(Adjustable) | 28.2Vdc | 28.2Vdc | 28.2Vdc | 56.4Vdc | 56.4Vdc | 56.4Vdc | |
| | Floate Charging Voltage(Adjustable) | 27Vdc | 27Vdc | 27Vdc | 54Vdc | 54Vdc | 54Vdc | |
| | PV Charging Mode | MPPT | MPPT | MPPT | MPPT | MPPT | MPPT Dual MPPT | |
| Chargers | MAX.PV Input Power | 5000W | 6500W | 6500W | 8500W | 8500W | 2*7500W | |
| | MPPT Tracking Range | 60~500Vdc | | | | | 90~500Vdc | |
| | Best voltage | 300~400V | 300~400V | 300~400V | 360~430V | 360~430V | 360~430V | |
| | MAX.PV Input Voltage | 500Vdc | 500Vdc | 500Vdc | 500Vdc | 500Vdc | 500Vdc | |
| | PV max input current | 18A | 27A | 27A | 27A | 27A | 27A/27A | |
| | MAX.PV Charging Current | 100A | 120A | 120A | 100A | 120A | 150A | |
| | MAX.AC Charging Current | 60A | 100A | 100A | 100A | 100A | 150A | |
| | MAX.Charging Current | 100A | 120A | 120A | 100A | 120A | 150A | |
| | Display | LCD interface | CAN display running mode/load/input/output, etc. | | | | | |
| | | RS232 | Baud Rate2400 | | | | | |
| Interface | Extend the socket communication interface | Lithium Battery BMS Communication Card WifiCard, Dry Contact | | | | | | |
| | Parallel machine interface | No parallel function | | | Parallel Machine (network) function | | | |
| | | | | | | | | |
| Environments | Operating Temperature | -10~50°C | | | | | | |
| | Humidity | 20%~95%(Non-condensing) | | | | | | |
| | Storage Temperature | -15~60°C | | | | | | |
| | Altitude | Altitude Not Over 1000m, Derating over 1000m, Max 4000m. Refer to IEC62040 | | | | | | |
| | Noise | ≤50db | | | | | | |
| Standards and certification | | EN-IEC 60335-1, EN IEC 60335-2-29, IEC 62109-1 | | | | | | |