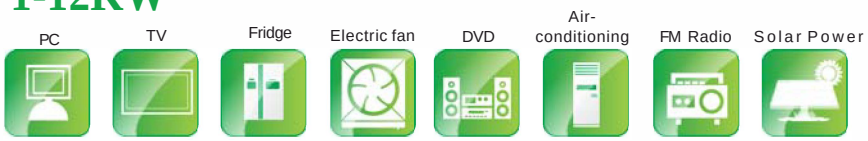
# US-5T4896

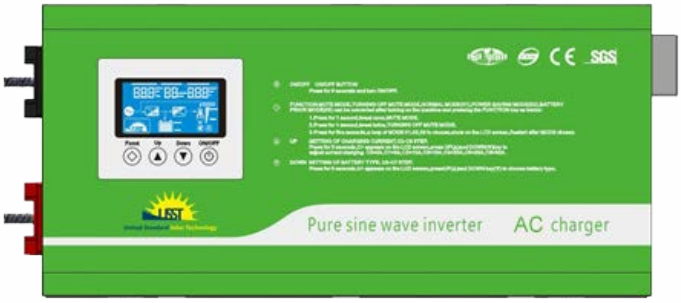
## Pure Sine Wave Output Invertor

## 1-12KW




## Key Features:

- Pure sine wave output, color screen display
- The charging current is big up to 85 Amp
- output power factor is 0.9-1
- Output socket optional
- Battery type can be select
- output voltage and frequency can be set
- charge current can adjust
- Battery temperature sense optional
- connect to generator restart function
- well accept generator's output
- Full automatical and silent operation
- Automatically transfer between battery and line modes
- Microprocessor control guarantees high reliability
- Remote control function
- Three-steps intelligent charging control to recharging time
- Bypass function




## Full protection:

Protection for low battery voltage , over load , output short circuit and over- temperature restrain surge interference, eliminate noise, protection for thunder striking, provide the reliable power to the home appliances.

## Applications:

Supply the reliable long back up time power for the home appliances and office appliances and solar power systems etc.

## Function Description:



Q Battery Negative
R) Battery Positive
(B Port Remote
@D C Fan
@RS232
4) DIP Switch
@ Mode ON/OFF

Ç Auto Gen Start
0 Battery Temp Sensor
8 Output
43 Charger Input Protect
41 Inverter Output Protect
4D Input/output Terminal

| DIP Switch No. | Function Setting | ON | OFF |
|---|---|---|---|
| SW1 | Batt Low S.D Point | 10.5Vdc | 10.0Vdc |
| SW2 | I/P V Range | 154-264Vac | 184-253Vac |
| SW3 | Mode Selection: | Battery Mode Priority | Utility Mode Priority |

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# US-5T 4896 Technical Specifications

| MODEL | US-5T 4896 5KW Pure Sine wave Output Invertor |
|---|---|
| | **5 K** |
| Input Wave form | Sine wave (utility or generator) |
| Nominal Voltage | 230Vac (120Vac optional) |
| Low voltage trip | 90v ±4% & 184v/154v ±4% |
| Low voltage re engage | 100v ±4% & 194v/164v±4% |
| High voltage trip | 140v ±4% & 253v ±4% |
| High voltage re engage | 135v ±4% & 243v±4% |
| Nominal Input Frequency | 50Hz/ 60Hz (auto detection) |
| Frequency range | 47Hz~65Hz |
| Output Wave form | (Bypass mode)same as input |
| Efficiency on line transfer mode | ⩾95%+ |
| Line transfer time | 10ms Typical |
| Bypass without battery connected | Yes |
| **Inverter specification/output** | |
| Output wave form | Pure sine wave |
| Output continuous power watts | **5000** |
| Output continuous power VA | **5000** |
| Power factor | 0.9-1.0 |
| Nominal Output Voltage rms | 230Vac (120Vac optional) |
| Output Voltage regulation | +/- 10%rms |
| Output frequency | 50Hz ± 0.3Hz or 60Hz ± 0.3Hz |
| Safety Certification | >88% |
| Surge ratings | **15000** |
| Short circuit protection | Yes,fault after 1 secs |
| **Inverter specification/input** | |
| Nominal input voltage | 12V/24V/48V |
| Minimum start voltage | 10V/20V/40V |
| Low battery alarm | 10.5V/21V/42V |
| Low battery trip | 10V/20V/40V |
| High voltage alarm | 16V/32V/64V |
| Power saver | Same switched on/off on remote |
| **Charger mode specification** | |
| Output voltage | Dependent on battery type |
| Charge current | 0-85A MAX |
| Battery initial voltage for start up | 0-15.7v for 12v(*2 for 24v;*4 for 48v;*8 for 96v) |
| Over charge protection shutdown | 15.7v for 12v(*2 for 24v;*4 for 48v;*8 for 96v) |
| Charger curves(4stage constant curren)battery types | |
| 4 step digital controlled progressive charge | |
| Battery type | Fast V Fast V(*2 for 24v;*4 for 48v) |
| Gel U.S.A | 14.0 13.7 |
| A.G.M. 1 | 14.1 13.4 |
| A.G.M. 2 | 14.6 13.7 |
| Sealed lead acid | 14.4 13.6 |
| Gel euro | 14.4 13.8 |
| Open lead acid | 14.8 13.3 |
| Calcium | 15.1 13.6 |
| De-sulphation | 15.5 for 4 hrs |
| Remote control/RS232/USB | Yes. Optional |

STANDARD: Conform to GB/IEC regulation EMC:GB7
: 260.2/IEC62040-2 GB/17626.2～5/IEC61000-4-2～5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.

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