

Pure sine wave inverter & AC charger

HES RP-AVR pure sine wave inverters can provide energy to AC appliances from DC 12/24/48V and AC 110/120/220/230V. It is ultimate choice for electrical vehicles and large AC power loads.. It is the ideal way to provide a professional, modern, safe and reliable power supply anywhere in the world.

Inverter stands out with its wide range of available power classes and AC/DC input voltages. HES inverter's excellent overload capacity ensures that even critical loads can be operated easily.

Features

- True sine wave voltage
- Temperature & load controlled cooling fan
- Graphical LCD indicators
- Input & output fully isolation
- Excellent overload capabilities
- Optimal battery protection
- Support lithium battery charging
- Auto restart while AC is recovering
- Compatible with generator power
- Configurable AC/Battery input
- User friendly interface
- Best reliability
- Built in automatic voltage regulator (AVR)

Protections

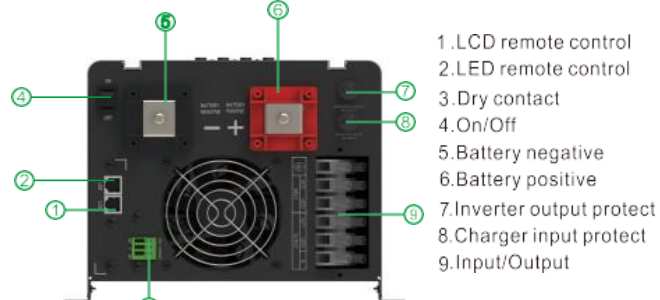
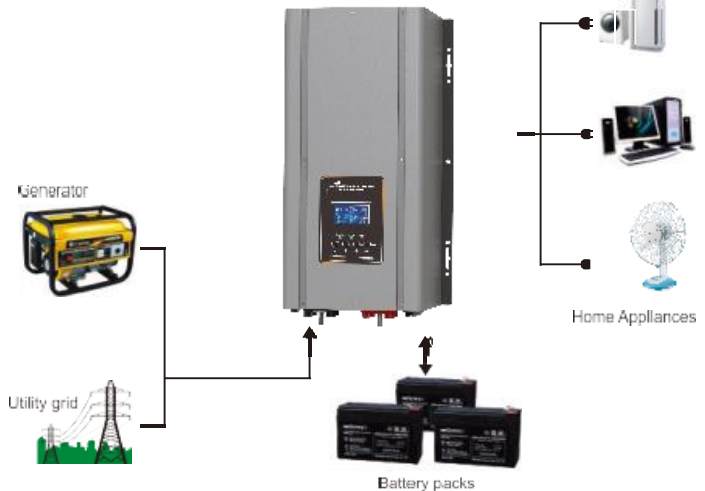
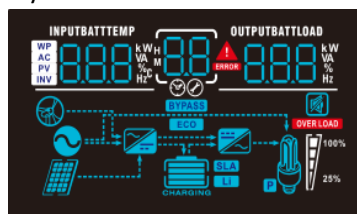
- Over charging
- Over Battery voltage shutdown
- Short circuit
- Over temperature and overload

Specification Setting

- By LCD or Position Machine
- Charging current, Battery Type, Input Voltage, Output Frequency,
- Wide and Narrow range of AC input Voltage, Power Saver Model,
- AC Priority or Battery Priority

Certifications

CE RoHS ISO9001



Specifications

| MODEL | 3012E | 3024E | 3048E | 4024E | 4048E | 5024E | 5048E | 6024E | 6048E |
|------------------------------------|---|--------|---------------|-----------|---------------|-------------|---------------|-----------|---------------|
| Rated Power | 3000W | | | 4000W | | 5000W | | 6000W | |
| AC MODE | | | | | | | | | |
| Normal Voltage | 230AC model | | | | | | | | |
| | 200vac | 210vac | | 220vac | | 230vac | | 240vac | |
| AVR input volta range | 140vac~240vac | | 147vac~252vac | | 154vac~264vac | | 161vac~276vac | | 168vac~288vac |
| AVR output volta Range | 180vac~220vac | | 189vac~231vac | | 198vac~242vac | | 207vac~253vac | | 216vac~264vac |
| Frequency | 40-90Hz | | | | | | | | |
| Efficiency | >95%, AVR mode >92% | | | | | | | | |
| OUTPUT | | | | | | | | | |
| AC Voltage Regulation (batt. mode) | 100/120VAC(±5V); 220/230VAC(±10V) | | | | | | | | |
| Surge Power | 9000VA | | | 12000VA | | 15000VA | | 18000VA | |
| Efficiency | 91% | | | | | | | | |
| Transfer Time | <10ms | | | | | | | | |
| Wave Form | Pure sine wave | | | | | | | | |
| BATTERY | | | | | | | | | |
| Battery volt | 12V | 24V | 48V | 24V | 48V | 24V | 48V | 24V | 48V |
| Charge current | 75A | 50A | 25A | 70A | 35A | 75A | 45A | 75A | 50A |
| Over charge protection | 16.5V for 12VDC (*2 or 24VDC; *4 for 48VDC) | | | | | | | | |
| Batt. low volt alarm | 10.5V for 12VDC (*2 or 24VDC; *4 for 48VDC) | | | | | | | | |
| Batt low volt shutdown | 10V for 12VDC (*2 or 24VDC; *4 for 48VDC) | | | | | | | | |
| Max. Charge Current(A) | 35 | 35 | 50/25 | 70/35 | 75/45 | 75/50 | 70A/35A | 75A/40A | 75A/50A |
| PHYSICAL | | | | | | | | | |
| Dimension(mm) | 500*258*190 | | | | | 574*345*197 | | | |
| Net Weight(Kg) | 25.2/24.6 | | | 34.4/33.8 | | 37.9/38.2 | | 41.6/40.5 | |
| ENVIRONMENT | | | | | | | | | |
| Operating Tem. | -10℃~50℃ | | | | | | | | |
| Storage Temp. | -15℃~60℃ | | | | | | | | |