

## Features:

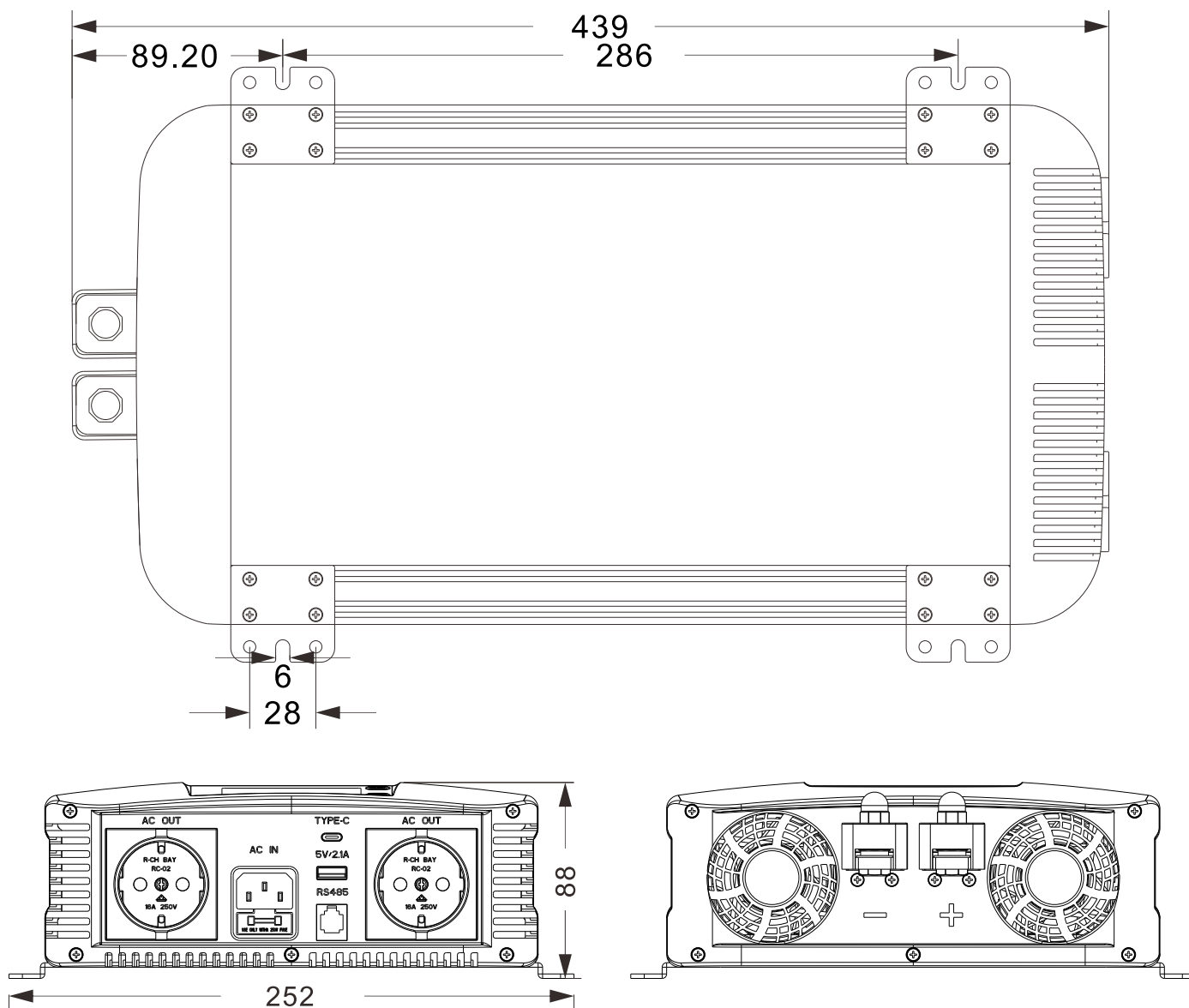
- Pure sine wave output (THD<5%)
- POWER ON/OFF Switch
- High Efficiency Up to 92%
- Built-in ATS and AC circuit breaker
- Transfer time less than 16ms
- USB:5V /2.1A / Type-C:Max 35W
- RS-485 communication
- Input & Output fully isolation
- Input Protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output Protection: Short Circuit / Overload / Over Temperature / Over Voltage



| MODEL              |                                            | HKC2500P-112                                           | HKC2500P-124 | HKC2500P-212                           | HKC2500P-224 |
|--------------------|--------------------------------------------|--------------------------------------------------------|--------------|----------------------------------------|--------------|
| Inverter Mode      |                                            |                                                        |              |                                        |              |
| Input              | Normal Voltage                             | 12VDC                                                  | 12VDC        | 12VDC                                  | 12VDC        |
|                    | Input Voltage Range (±0.5V)                | 10.8~16VDC                                             | 21.6~32.0VDC | 10.8~16VDC                             | 21.6~32.0VDC |
|                    | Input Over-Voltage Protection (±0.5V)      | 16VDC                                                  | 32VDC        | 16VDC                                  | 32VDC        |
|                    | Input Under-Voltage Protection (±0.5V)     | 10VDC                                                  | 20VDC        | 10VDC                                  | 20VDC        |
|                    | Input Under-Voltage Warning (±0.5V)        | 10.8VDC                                                | 21.6VDC      | 10.8VDC                                | 21.6VDC      |
|                    | No Load Current                            | < 0.72A                                                | <0.36A       | < 0.72A                                | <0.36A       |
| Output             | Continuous Output Power                    | 2500W ±5%                                              |              |                                        |              |
|                    | Surge Power                                | Load 5000W (2 Sec)                                     |              |                                        |              |
|                    | Frequency                                  | 50 / 60Hz ±1Hz (setting by factory)                    |              |                                        |              |
|                    | Output Voltage                             | 100 / 110 / 115 / 120VAC ±10%                          |              | 200 / 220 / 230 / 240VAC ±10%          |              |
|                    | Min. Efficiency (Full Load)                | 89%                                                    | 89%          | 89%                                    | 89%          |
|                    | Output Wave form                           | Pure Sine Wave (THD <5% )                              |              |                                        |              |
| Protection         | Input Protection                           | Over / Under Voltage, Reverse Polarity (Internal Fuse) |              |                                        |              |
|                    | AC Output Protection                       | Short-Circuit, Overload                                |              |                                        |              |
|                    | AC Input Protection                        | 30 Amp Circuit Breaker                                 |              | 16 Amp Circuit Breaker                 |              |
|                    | Temperature protection                     | Shutdown                                               |              |                                        |              |
| Charger Mode       |                                            |                                                        |              |                                        |              |
| AC input           | Nominal Voltage / Frequency                | 110VAC, 50 / 60Hz (setting by factory)                 |              | 230VAC, 50 / 60Hz (setting by factory) |              |
|                    | Input Voltage Range                        | 90~130VAC                                              |              | 180~260VAC                             |              |
|                    | Input Frequency Range                      | 50Hz: 47~53Hz / 60Hz: 57~63 Hz                         |              |                                        |              |
|                    | Efficiency (Max.)                          | > 88%                                                  |              |                                        |              |
|                    | Power Factor Correction (PFC)              | >0.95 (Max.)                                           |              |                                        |              |
| DC Output          | Charging Current Range                     | Max.40A                                                | Max.20A      | Max.40A                                | Max.20A      |
|                    | Max. Output Voltage                        | 14.4VDC                                                | 28.8VDC      | Max.14.4VDC                            | Max.28.8CDC  |
|                    | Battery Control (3-stage Battery Chargers) | Bulk / Absorption / Float                              |              |                                        |              |
| Signal and Control | Remote Control Panel (Optional)            | LCD display                                            |              |                                        |              |
|                    | Remote Control Terminal                    | RS485                                                  |              |                                        |              |
|                    | LCD display                                | voltage ,wattage                                       |              |                                        |              |
|                    | Relay Specification                        | 30 Amp / 120VAC @ 110V system                          |              | 16 Amp / 250VAC @ 230V system          |              |
| Environment        |                                            |                                                        |              |                                        |              |
| Temperature Range  | Full Load                                  | 0~ +40°C; 60°C @70% power load                         |              |                                        |              |
|                    | Storage                                    | 0°C~70°C                                               |              |                                        |              |
| Humidity Range     |                                            | Max 93%, Non-condensing                                |              |                                        |              |
| Cooling            |                                            | Temperature & Load Controlled Cooling Fan              |              |                                        |              |
| Others             | Dimension (W×H×D)                          | 439×252×88mmmm                                         |              |                                        |              |
|                    | Weight                                     | 7.2KG                                                  |              |                                        |              |
|                    | Communication Port                         | RS-485 (RJ-11 type connector), Ethernet (optional)     |              |                                        |              |

## ■ Mechanical Drawings:(439×252×88mm)

MODEL:HKC2500P



## ■ Charging Curve

