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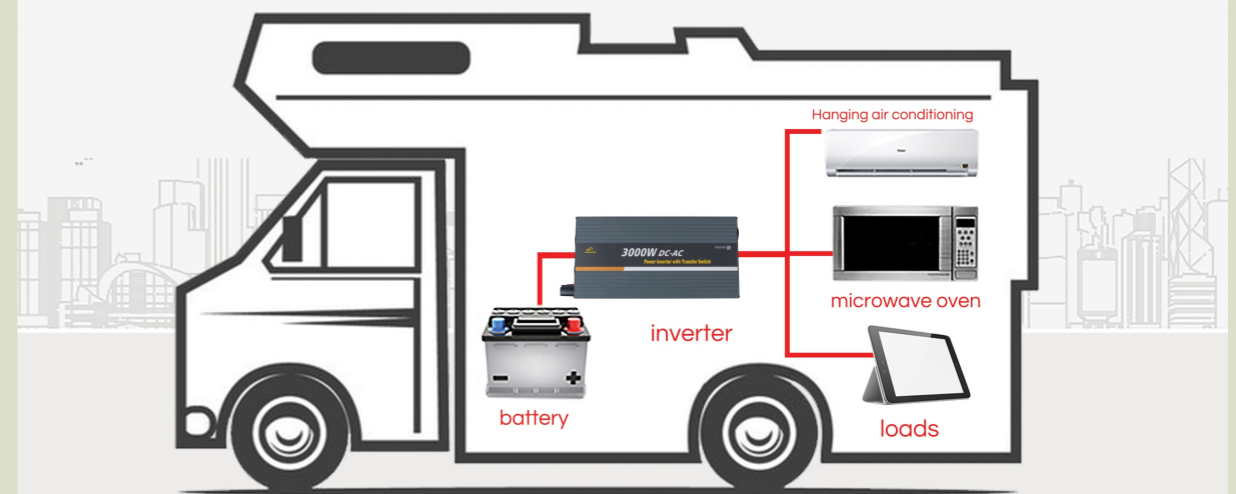
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# YASSION

## Authoritative Certification

## RV Travel

Happy life on the road



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CE FC E9

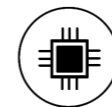


**Features:**

- Power-Saving Mode
- Car Ignition Function
- Auto AC Transfer Function
- High surge capability: for "hard-to-start" AC loads
- Low Voltage Protection (Three Stages Optional)



Power-saving Mode



Smart Chip



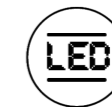
Pure Sine Wave



Car Ignition Function



Seven Intelligent Protections



LED Digital Display



Low Voltage Protection (Three Stages Optional)



Auto Transfer Switch

| Model   | YX-1KUS-1-1                     | YX-1KUS-2-1 | YX-1KUS-1-2                     | YX-1KUS-2-2 | YX-1.5KUS-1-1                   | YX-1.5KUS-2-1 | YX-1.5KUS-1-2                   | YX-1.5KUS-2-2 |
|---|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|---------------|---------------------------------|---------------|
| Continuous Power                                | 1000W                           |             |                                 |             | 1500W                           |               |                                 |               |
| Peak Power                                      | 2000W                           |             |                                 |             | 2900W                           |               |                                 |               |
| DC Voltage                                      | DC12V                           | DC24V       | DC12V                           | DC24V       | DC12V                           | DC24V         | DC12V                           | DC24V         |
| AC Voltage                                      | 100VAC or 110VAC or 120VAC ± 3V |             | 220VAC or 230VAC or 240VAC ± 3V |             | 100VAC or 110VAC or 120VAC ± 3V |               | 220VAC or 230VAC or 240VAC ± 3V |               |
| No Load Current Draws                           | 1A                              | 0.5A        | 1A                              | 0.5A        | 1A                              | 0.5A          | 1A                              | 0.5A          |
| Max AC Input Current                            | 8.5A                            |             | 4.5A                            |             | 13.6A                           |               | 6.8A                            |               |
| DC Voltage Range                                | 10-15.5V                        |             | 20-31V                          |             | 10-15.5V                        |               | 20-31V                          |               |
| Frequency                                       | 50HZ ± 0.5HZ or 60HZ ± 0.5HZ    |             |                                 |             |                                 |               |                                 |               |
| Output Waveform                                 | Pure Sine Wave                  |             |                                 |             |                                 |               |                                 |               |
| Output Efficiency                               | up to 91%                       |             |                                 |             |                                 |               |                                 |               |
| Transfer relay rating                           | 16A                             |             |                                 |             |                                 |               |                                 |               |
| Transfer time AC to inverter and inverter to AC | Less than 30ms                  |             |                                 |             |                                 |               |                                 |               |
| Product Size                                    | 330x150x78mm                    |             |                                 |             | Packing                         | Gift Box      |                                 |               |
| Net Weight                                      | 2.6KG                           |             |                                 |             | Qty/Ctn                         | 6PCS          |                                 |               |

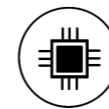

**Options:**

- Available in 12 and 24 volt models
- Remote control switch: 15m cable is available


**2000W**

**2500W**


Power-saving Mode



Smart Chip



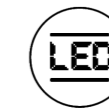
Pure Sine Wave



Car Ignition Function



Seven Intelligent Protections



LED Digital Display

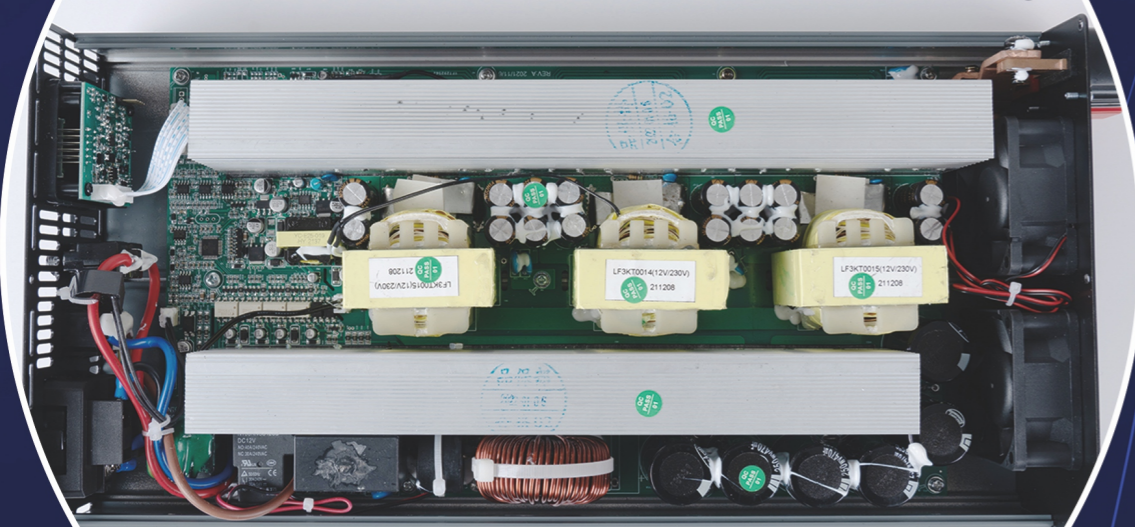


Low Voltage Protection (Three Stages Optional)

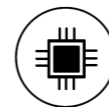


Auto Transfer Switch

| Model   | YX-2KUS-1-1                     | YX-2KUS-2-1 | YX-2KUS-1-2                     | YX-2KUS-2-2 | YX-2.5KUS-1-1                   | YX-2.5KUS-2-1 | YX-2.5KUS-1-2                   | YX-2.5KUS-2-2 |
|---|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|---------------|---------------------------------|---------------|
| Continuous Power                                | 2000W                           |             |                                 |             | 2500W                           |               |                                 |               |
| Peak Power                                      | 4000W                           |             |                                 |             | 4900W                           |               |                                 |               |
| DC Voltage                                      | DC12V                           | DC24V       | DC12V                           | DC24V       | DC12V                           | DC24V         | DC12V                           | DC24V         |
| AC Voltage                                      | 100VAC or 110VAC or 120VAC ± 3V |             | 220VAC or 230VAC or 240VAC ± 3V |             | 100VAC or 110VAC or 120VAC ± 3V |               | 220VAC or 230VAC or 240VAC ± 3V |               |
| No Load Current Draws                           | 1A                              | 0.5A        | 1A                              | 0.5A        | 1A                              | 0.5A          | 1A                              | 0.5A          |
| Max AC Input Current                            | 16.7A                           |             | 8.7A                            |             | 20.8A                           |               | 10.8A                           |               |
| DC Voltage Range                                | 10-15.5V                        |             | 20-31V                          |             | 10-15.5V                        |               | 20-31V                          |               |
| Frequency                                       | 50HZ ± 0.5HZ or 60HZ ± 0.5HZ    |             |                                 |             |                                 |               |                                 |               |
| Output Waveform                                 | Pure Sine Wave                  |             |                                 |             |                                 |               |                                 |               |
| Output Efficiency                               | up to 91%                       |             |                                 |             |                                 |               |                                 |               |
| Transfer relay rating                           | 30A                             |             |                                 |             |                                 |               |                                 |               |
| Transfer time AC to inverter and inverter to AC | Less than 30ms                  |             |                                 |             |                                 |               |                                 |               |
| Product Size                                    | 351x197x82mm                    |             |                                 |             | Packing                         | Gift Box      |                                 |               |
| Net Weight                                      | 4.5KG                           |             |                                 |             | Qty/Ctn                         | 4PCS          |                                 |               |



Power-saving Mode



Smart Chip



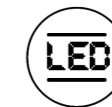
Pure Sine Wave



Car Ignition Function



Seven Intelligent Protections



LED Digital Display



Low Voltage Protection (Three Stages Optional)



Auto Transfer Switch

| Model   | YX-3KUS-1-1                     | YX-3KUS-2-1 | YX-3KUS-1-2                     | YX-3KUS-2-2 | YX-4KUS-1-1                     | YX-4KUS-2-1 | YX-4KUS-1-2                     | YX-4KUS-2-2 |
|---|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|---------------------------------|-------------|
| Continuous Power                                | 3000W                           |             |                                 |             | 4000W                           |             |                                 |             |
| Peak Power                                      | 6000W                           |             |                                 |             | 8000W                           |             |                                 |             |
| DC Voltage                                      | DC12V                           | DC24V       | DC12V                           | DC24V       | DC12V                           | DC24V       | DC12V                           | DC24V       |
| AC Voltage                                      | 100VAC or 110VAC or 120VAC ± 3V |             | 220VAC or 230VAC or 240VAC ± 3V |             | 100VAC or 110VAC or 120VAC ± 3V |             | 220VAC or 230VAC or 240VAC ± 3V |             |
| No Load Current Draws                           | 1.2A                            | 0.5A        | 1.2A                            | 0.5A        | 1.2A                            | 0.5A        | 1.2A                            | 0.5A        |
| Max AC Input Current                            | 25A                             |             | 13A                             |             | 37A                             |             | 18A                             |             |
| DC Voltage Range                                | 10-15.5V                        |             | 20-31V                          |             | 10-15.5V                        |             | 20-31V                          |             |
| Frequency                                       | 50HZ ± 0.5HZ or 60HZ ± 0.5HZ    |             |                                 |             |                                 |             |                                 |             |
| Output Waveform                                 | Pure Sine Wave                  |             |                                 |             |                                 |             |                                 |             |
| Output Efficiency                               | up to 91%                       |             |                                 |             |                                 |             |                                 |             |
| Transfer relay rating                           | 30A                             |             |                                 |             | 35A                             |             |                                 |             |
| Transfer time AC to inverter and inverter to AC | Less than 30ms                  |             |                                 |             |                                 |             |                                 |             |
| Product Size                                    | 436x197x82mm                    |             |                                 |             | Packing                         |             | Gift Box                        |             |
| Net Weight                                      | 5.7KG                           |             |                                 |             | Qty/Ctn                         |             | 2PCS                            |             |

## The Protections of Pure Sine Wave Inverter with Transfer Switch

|  |           |   |
|--|-----------|---|
| Low voltage alarm                                    | code: F05 | Buzzer sounds and fault light turns red   |
| Low voltage shutdown                                 | code: F01 | Recover by hand after the inverter shutdown.<br>(the inverter will auto recover when the battery voltage go back to a normal level within 20ms.)  |
| Over input voltage protection                        | code: F02 | Recover by hand after the inverter shutdown.<br>(the inverter will auto recover when the battery voltage go back to a normal level within 20ms.)  |
| Over load alarm                                      | code: F06 | Buzzer sounds and fault light turns red when output power is overloaded around 110%. But the BUZZ and F06 code will not occurred when the output power drop to a normal level within 20ms.  |
| Over load protection                                 | code: F03 | The inverter shutdown when output power is overloaded around 120%, it need to be recovered by hand.   |
| Over temperature alarm                               | code: F07 | Buzzer sounds and fault light turns red when the inverter's internal temperature is higher than the limit value ( $90 \pm 5^{\circ}\text{C}$ ).   |
| Over temperature protection                          | code: F04 | The inverter will automatically return to normal status when the internal temperature drops to $80 \pm 5^{\circ}\text{C}$ .   |
| The inverters from 2000w to 3000w have this function | code: F08 | The display will show the code F08 when the thermostat in the inverters is broken   |
| Short circuit protection                             | code: F03 | Recover by hand   |
| Reverse polarity protection                          |           | Built-in fuse   |
| AC input overload protection                         | code: F09 | The fan will start to work when the relay temperature is up to $60 \pm 5^{\circ}\text{C}$ ; but it will stop to work when the relay temperature drops to $50 \pm 5^{\circ}\text{C}$ . The unit will alarm, and no AC output when relay temperature is up to $75 \pm 5^{\circ}\text{C}$ ; But it will auto recover when the relay temperature drops to normal value. |
| Working Temperature                                  |           | $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$  |
| Storage Temperature                                  |           | $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$  |

## Main Functions

|  |    |     |  |
|--|----|-----|--|
| Power Saving Mode                                  | SE | SE0 | POWERSAVE mode OFF (factory set default)   |
|  |    | SE1 | You would want to enable POWERSAVE mode if the inverter is only being used periodically to power loads. This allows the inverter to draw less power from the batteries during non-use periods. The POWERSAVE mode will be activated when the output power is less than 15W. When output power is more than 20W, the inverter will automatically return to normal status. |
| Buzzer Alarm                                       | bu | bu0 | Disable the buzzer. It only shows fault code and the buzzer doesn't alarm when the inverters have any fault.   |
|  |    | bu1 | The buzzer works normally. It shows fault code and the buzzer alarms when the inverters have any fault. (factory set default)  |
| Low Voltage Protection Setting                     | Lo | Lo0 | Battery voltage is setted 10.5V (12V) / 21V (24V) (factory set default)  |
|  |    | Lo1 | Battery voltage is setted 10.8V (12V) / 21.6V (24V)  |
|  |    | Lo2 | Battery voltage is setted 11.3V (12V) / 22.6V (24V)  |
| Priority (ATS)                                     | pr | pr0 | The ATS transfer switch function OFF.  |
|  |    | pr1 | The unit has ATS transfer switch function. (factory set default)   |
| Default  | dF |     | Restore factory default settings   |
| Remarks: factory setting is SE0, bu1, Lo0 and pr1. |    |     |  |