

## Pure Sine Wave Inverter with UPS Power Backup



### Features

- Remote control unit for power output ON-OFF and power save mode, reset, error message...etc by RS485.
- Switch selectable 50 or 60Hz output, all models.
- Tightly regulated output voltage and frequency.
- Thermostatically controlled cooling fan.
- Built-in battery voltage and output watts scale meter.
- Bellow 1-Watt consumption in power save mode.
- Microprocessor based design with absolutely accurate and stable frequency.
- Very low harmonic distortion, THD <3%.
- Panel indicators for battery voltage & load level (%).
- Compact and lightweight, yet rugged and vehicle rated, 83-86% efficient.
- Capable of driving highly reactive loads such as electric tools and appliances.
- Built-in fast acting AC synchronised transfer switch (<10msec).

## Specifications

| Invertex Model No.                              | J-06U-12XX<br>J-08U-24XX   | J-10U-12XX<br>J-14U-24XX | J-15U-12XX<br>J-20U-24XX | J-20U-12XX<br>J-28U-24XX | J-30U-12XX<br>J-42U-24XX |
|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| Continuous Output Power                         | 600W   | 1000W                    | 1500W                    | 2000W                    | 3000W                    |
| Output Power Surge                              | 800W   | 1400W                    | 2000W                    | 2800W                    | 4200W                    |
| AC Output Voltage                               | 100/110/120V ±2% ; 220V/ 230/ 240V ±2% DIP switch select   |                          |                          |                          |                          |
| Output Voltage Regulation                       | -8% / ± 3% All models  |                          |                          |                          |                          |
| Output Frequency                                | 50/ 60 Hz selectable ±0.05% Accuracy   |                          |                          |                          |                          |
| Output Wave Form                                | Pure Sine Wave < 3% THD  |                          |                          |                          |                          |
| Efficiency (Full Load)                          | 83% ~ 85%  |                          |                          |                          |                          |
| No Load Power Consumption                       | < 2.5W (In power saving mode.)   |                          |                          |                          |                          |
| Input Voltage Range                             | 10V - 16VDC, 20V - 32VDC   |                          |                          |                          |                          |
| Power Saving Recovery Time                      | 1 second   |                          |                          |                          |                          |
| AC Transfer Time (UPS-mode)                     | < 10 msec max  |                          |                          |                          |                          |
| LED Status Indicators                           | High/ Low battery shutdown, over temperature shutdown, overload shutdown/ input DC voltage scale meter & output watts percent scale metter |                          |                          |                          |                          |
| Protection Feature<br>*Remote controller option | Over load, short circuit, over/ under input voltage, over temperature, reverse input polarity (by fuse)                                    |                          |                          |                          |                          |
| RS485 Remote Controller                         | Power output ON/OFF, power saving mode, reset, error message, ...etc.  |                          |                          |                          |                          |
| Opertation TEMperature Range                    | -20°C ~ 50°C ( -4°F ~ 122°F)   |                          |                          |                          |                          |
| Storage Temperature Range                       | -30°C~70°C (-22°F~158°F)   |                          |                          |                          |                          |
| Dimensions (LxWxH) mm                           | 350 x 285 x 120  | 410 x 285 x 120          | 450 x 285 x 120          | 410 x 285 x 185          | 490 x 285 x 185          |
| Weight  | 4.5 ( Kgs)   | 5.5 (Kgs)                | 7 (Kgs)                  | 10 ( Kgs)                | 12 (Kgs)                 |

• Remote controller is optional

• 48VDC Custom Design