

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

Invertek Model No.	J-06U-12XX J-08U-24XX	J-10U-12XX J-14U-24XX	J-15U-12XX J-20U-24XX	J-20U-12XX J-28U-24XX	J-30U-12XX 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 *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