

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 for 50Hz or 60Hz, all models
- Tightly regulated output voltage and frequency
- Thermostatically controlled cooling fan
- Built-in battery voltage and output watts scale meter
- Low power consumption mode available (<1 Watt)
- 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)
- The high frequency switching technology is applied for the lightweight design

Specifications

Model No.	DAI-600U-12xx DAI-600U-24xx DAI-600U-48xx	DAI-1000U-12xx DAI-1000U-24xx DAI-1000U-48xx	DAI-1500U-12xx DAI-1500U-24xx DAI-1500U-48xx	DAI-3000U-12xx DAI-3000U-24xx DAI-3000U-48xx
Continuous Output Power	600W	1000W	1500W	3000W
Output Power Surge	800W	1400W	2000W	4200W
AC Output Voltage	100V / 110V / 115V / 120V ±2% ; 200V / 220V / 230V / 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	10 ~ 16 VDC / 20 ~ 32 VDC / 40 ~ 64 VDC			
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 (H x W x D) mm	120 x 285 x 330	120 x 285 x 380	120 x 285 x 430	190 x 285 x 480
Weight (Kgs)	4.5	5.5	7	12

• Remote controller with 3 Meter or 15 Meter cable is optional