

LED Signal Battery Backup System NEMA 48-Volt

Output Voltage: 120 VAC regulated (110 to 125VAC)
Output Frequency: 60 Hz \pm 0.05%
Output Waveform: Pure sine wave, less than 3% THD
Input Voltage: (VDC) 44 to 56
Operating Temperature: -37° to 74° C (-35° to 165° F)
Efficiency: Up to 85%



Other Design Features:

- LISTED Power Supply (BBS) for use with Traffic Signal Equipment. File: QQIJ, E218390
- Thermally-controlled cooling fan
- Automatic utility line power bypass when utility line voltage is outside the range of 100 to 130 VAC \pm 2 VAC
- Automatic inverter mode dropout when utility line power has been restored above 105 VAC \pm 2 VAC for more than 30 seconds
- Lightning surge protection compliant with IEEE 587/ANSI C.62.41
- Completely connectorized system
- LED indication for Inverter Power, Low Battery, High Temp, & Overload
- LED for Battery Charger On & Full plus Check Batteries
- LED Battery Voltage Indicator & Voltage Test Points
- LED for Relay A (On Batt), Relay B (Low Batt), and Relay C (2 hour Time)
- Two terminal blocks provide access to BBS Form C dry relay contacts
- Low Batt voltage threshold (Relay B) is adjustable
- Inverter Run Time Meter w/reset

Unit Protection:

- Automatic electronic short circuit/overload protection
- Automatic over temperature shutdown
- Input and Output circuit breakers

Battery Protection:

- Automatic low battery shutdown at 42 VDC
- In-line battery cable fuse
- Remote temperature sense cable
- Temperature compensated battery charging system - shuts off over 50°C (122°F)

Communication:

- RS232 Communications port provides local programming, BBS status, and download of event buffer via a Windows based PC.

MODEL NUMBER	48J17
Output Power (Watts Continuous)	1,700 @ 25°C (77°F), 1,000 @ 74°C (165°F)
Output Current (Amps AC)	Up to 14
Peak Output (Amps AC)	53
Input Current (Amps DC)	Up to 45
Weight (Lbs.)	41
Dimensions (WxDxH) (inches)	12½ x 13 x 8
BATTERY CHARGER	
Output Voltage (Volts DC)	Regulated and temperature compensated end of charge at 58
Output Current (Amps DC)	Up to 13
Input Current (Amps AC)	Up to 10
TRANSFER RELAY	
Current Rating (Amps AC)	15
Transfer Time (milliseconds)	40 typical

Usage: All NEMA traffic equipment within the inverter's power rating.

Warranty: Two year parts and factory labor with **Advance Replacement Program**