

1. IMPORTANT SAFETY INSTRUCTIONS

SAVE THIS MANUAL! IT CONTAINS IMPORTANT SAFETY INSTRUCTIONS.

- **WARNING:** Risk of Fire or Shock, install according to NEC article 690.
- **WARNING:** There are no user-serviceable or field-reparable parts in this unit. Do not disassemble. Return to Bonitron when service is required.

2. SPECIFICATIONS

Component Power Supply

Input: 190 – 1000VDC Operation, 200 – 600VDC UL Rating / 150mA – 50mA

Output: 24VDC, +/-2% / 1.0A

Max Internal Ambient: +50°C

Min Internal Ambient: -20°C

Humidity: Below 90%, non-condensing

Max Continuous Output Fault Current: 1.5A

Max Continuous Input Short Circuit Current: 1.6A

NRTL/SCC certifications to following:

UL 1741

UL 1012

CSA C22.2 No. 107.1

Dielectric Strength: 4250VDC, 60 Sec Input – Output, Terminal – Case

3. INSTALLATION

General Requirements:

- Wiring methods shall be in accordance with CEC part 1 or NEC article 690.
- Input wires shall be suitable for at least 75°C and max input voltage. Use copper conductor cables only for input and output wiring.
- Output should not be referenced to ground.
- Not for use within PV panel.
- Connect input marked positive (+) to current interrupt device rated 30A or less.
- Current interrupt device in series with conductor connected to input marked negative (-) is not recommended.
- **NOT SUITABLE FOR BATTERY CHARGING.**
- Plastic base of unit intended to be installed on 35mm (IEC 60715) DIN rail.
- Spacing from input terminals to outer conductive materials should be maintained after installation.
- Spacing from vent openings in plastic cover to other conductive surfaces should not be less than 12mm.
- Terminal ring of fork lugs rated for the conductor material and electrical ratings shall be used. Connector terminals not suitable for bare wire.
- Do not parallel multiple units without instructions from Bonitron.

4. OPERATING INSTRUCTIONS

- After proper installation and application of rated input power, the green LED on top of case will illuminate within 5 seconds to indicate DC output ok.
- If the output is overloaded or the output exceeds the regulation limit, or input current is insufficient, the unit will flash the green LED indicator while in 'hiccup' mode until input or output fault condition is mitigated.