



8HP x 3U x 160mm VME Bus Standard

**Input**

|                 |   |
|-----------------|---|
| Input Voltage   | 90-264 VAC                                |
| Input Frequency | 47-63Hz (Optional 440Hz)                  |
| Inrush Current  | 32A Max @ 230 VAC Cold Start              |
| Input Current   | 0.73A @ 115 VAC / 0.37A @ 230 VAC Typical |
| Hold-Up Time    | 41ms @ 115 VAC / 41ms @ 230 VAC Full Load |
| Leakage Current | <400 $\mu$ A @ 230 VAC                    |
| Power Factor    | >0.98 typical                             |

**Output**

|                        |  |
|------------------------|--|
| Minimum Load           | n/a  |
| Line Regulation        | $\pm 0.5\%$ typ.                                       |
| Load Regulation        | V1 = $\pm 1.0\%$   V2 = $\pm 2.0\%$   V3 = $\pm 3.0\%$ |
| Ripple & Noise         | $\pm 1\%$ typ. pk-pk @ 20MHz                           |
| Overload Protection    | Protected against short circuit                        |
| OverVoltage Protection | V1 Only Latching at >130% of nominal                   |
| Adjustment             | $\pm 10\%$ minimum (v1 & V2 Only)                      |
| Transient Response     | voltage returns < 3mS following a 25% load change      |

**Features:**

- \* Universal AC Input (90-264 VAC)
- \* Remote Inhibit, Remote Sense & Power Fail Signals
- \* 8HP x 3U x 160mm VME Bus Standard
- \* Worldwide Safety Approvals
- \* EN55022 & FCC Class B Emissions
- \* CE Mark

**General**

|                       |  |
|-----------------------|--|
| Efficiency            | 73% typical  |
| Switching Frequency   | Fixed (72KHz)  |
| Topology              | Fixed Frequency Forward Circuit                        |
| Operating Temperature | -25 to 50°C full load, derate 2.5% per °C to 70°C max. |
| Storage Temperature   | -25°C to +85°C   |
| Cooling               | Convection   |
| Temp Co-Efficient     | 0.03% per °C   |

**EMC & Safety**



Emissions EN55022 "B", FCC Part 15 Subject J Class B

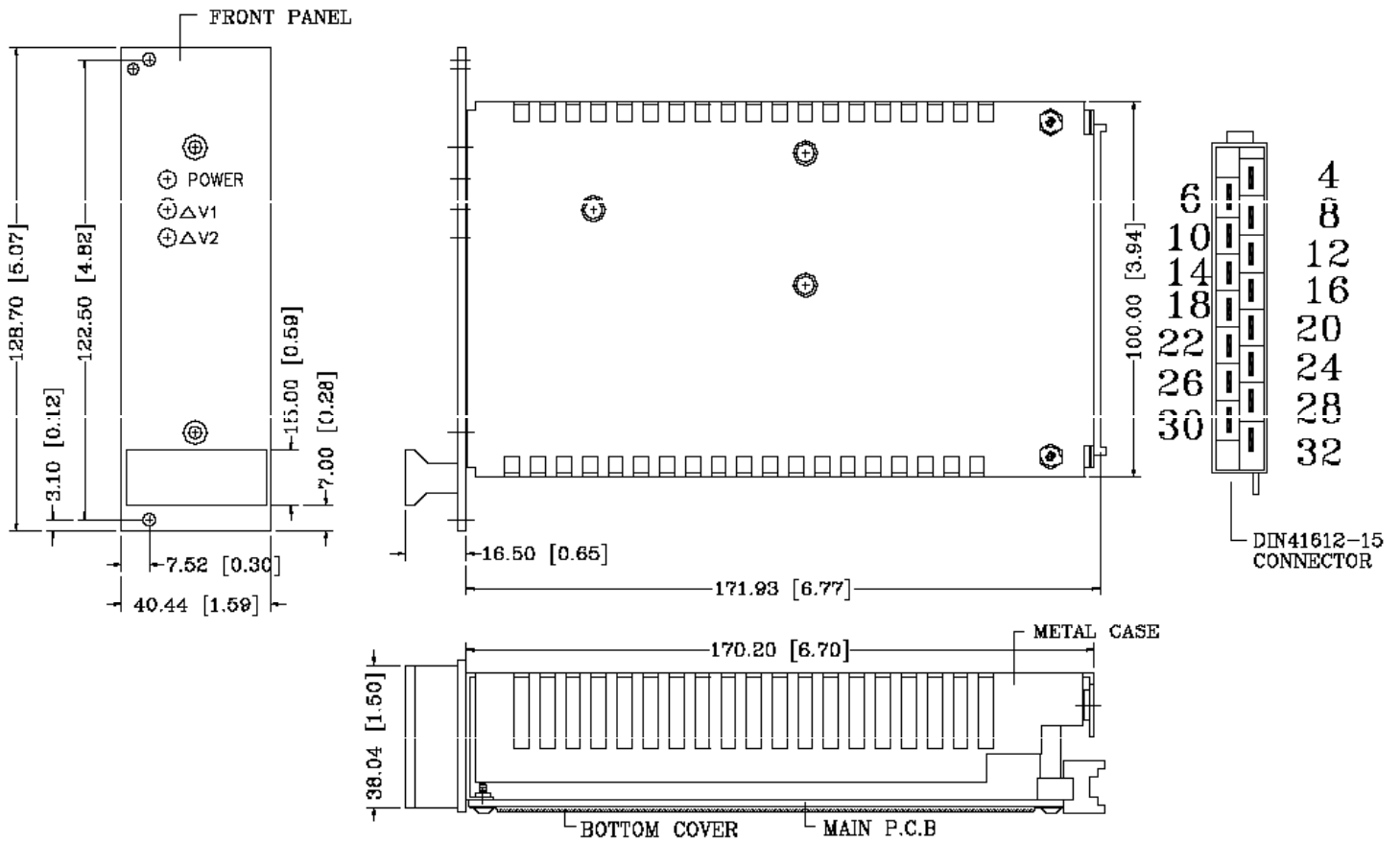
Safety Approvals UL/cUL 60950  
EN60950  
CE Mark (LVD)

| Model Number   | Outputs      |              |              |  |
|----------------|--------------|--------------|--------------|--|
| APS60PU-025180 | 2.5V @ 8.0A  |              |              |  |
| APS60PU-030150 | 3.0V @ 15.0A |              |              |  |
| APS60PU-050120 | 5.0V @ 12.0A |              |              |  |
| APS60PU-060100 | 6.0V @ 10.0A |              |              |  |
| APS60PU-120050 | 12.0V @ 5.0A |              |              |  |
| APS60PU-150040 | 15.0V @ 4.0A |              |              |  |
| APS60PU-190030 | 19.0V @ 3.0A |              |              |  |
| APS60PU-240025 | 24.0V @ 2.5A |              |              |  |
| APS60PU-480013 | 48.0V @ 1.3A |              |              |  |
| APS60PUD-030E  | 3.0V @ 6.0A  | 5.0V @ 6.0A  |              |  |
| APS60PUD-030I  | 3.0V @ 6.0A  | 12.0V @ 3.0A |              |  |
| APS60PUD-050I  | 5.0V @ 5.0A  | 12.0V @ 3.0A |              |  |
| APS60PUD-120I  | 12.0V @ 2.5A | 12.0V @ 2.5A |              |  |
| APS60PUD-050K  | 5.0V @ 5.0A  | 15.0V @ 2.5A |              |  |
| APS60PUD-150K  | 15.0V @ 2.0A | 15.0V @ 2.0A |              |  |
| APS60PUD-050M  | 5.0V @ 5.0A  | 24.0V @ 1.5A |              |  |
| APS60PUD-040M  | 4.0V @ 1.4A  | 24.0V @ 1.4A |              |  |
| APS60PUT-050IE | 5.0V @ 5.0A  | 12.0V @ 2.5A | 5.0V @ 1.0A  |  |
| APS60PUT-050KK | 5.0V @ 5.0A  | 15.0V @ 2.0A | 15.0V @ 0.5A |  |
| APS60PUT-050II | 5.0V @ 5.0A  | 12.0V @ 2.5A | 12.0V @ 0.5A |  |
| APS60PUT-030EI | 3.0V @ 6.0A  | 5.0V @ 5.0A  | 12.0V @ 1.0A |  |
| APS60PUT-030KK | 3.0V @ 6.0A  | 15.0V @ 2.0A | 15.0V @ 0.5A |  |
| APS60PUT-030II | 3.0V @ 6.0A  | 12.0V @ 2.5A | 12.0V @ 0.6A |  |



All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

**Mechanical Specifications:**



WEIGHT: 720g

**PIN ASSIGNMENTS (P1):**

**Input (All Models):** AC-L = 28 | AC-N = 30 | AC-G = 32  
**Signals (All Models):** Inhibit = 20 | Power Fail = 22  
**Single Outputs:** +V1 = 4 & 6 | +Sense = 8 | -V1 = 12 & 14 | -Sense = 10  
**Dual Output Models:** +V1 = 4 | -V1 = 6 | +V2 = 8 | -V2 = 10  
**Triple Output Models:** +V1 = 4 & 6 | -V1 = 8 & 10 | +V2 = 12 | -V2 = 14 | +V3 = 16 | -V3 = 18

CONNECTOR: DIN41612 at rear