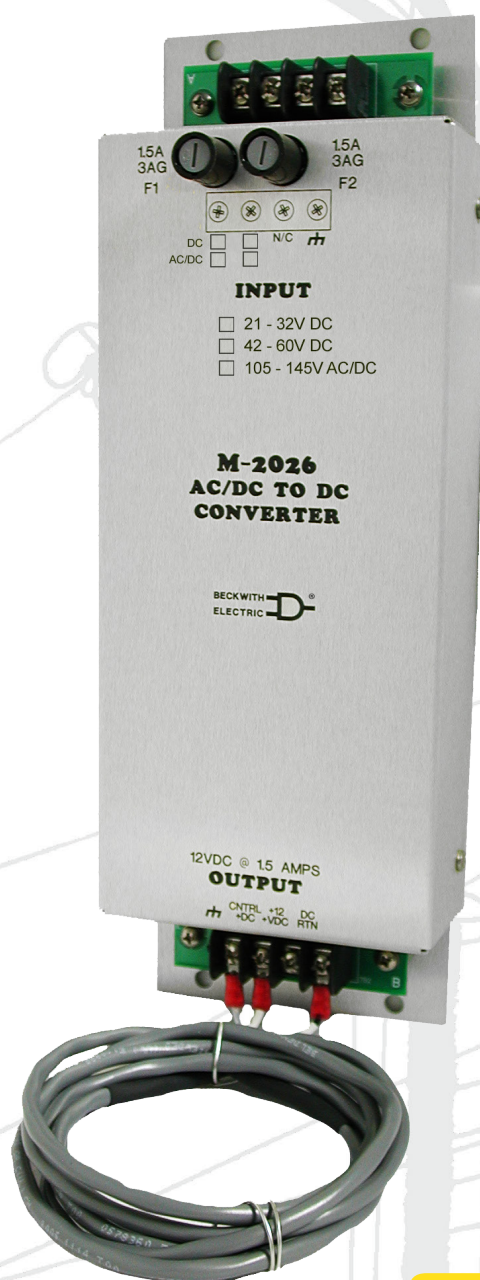


AC/DC to DC Backup Power Supply M-2026



- Maintains the M-2001C/D or M-6200 energized during power outages to maintain the continuity of the communications loop
- Accepts AC and/or DC power input (50 or 60 Hz) from station auxiliary supply over the following ranges:
21 to 32V DC
42 to 60V DC
105 to 145V AC/DC
- Fuse protected and transient suppressed, input and output
- Substation hardened
-40° C to +85° C
- Conformal coated
- Includes 6 foot output cable and adapters for M-2001C/D and M-6200 controls

Inputs (AC and/or DC)

21 to 32 Vdc

42 to 60 Vdc

105 to 145 V AC/DC

Burden of less than 8 VA

Bipolar Fuse protection (1.5 A)

Reverse polarity protection for a dc input

Transient protected

Output

+12 Vdc regulated ($\pm .5$ V) @ 1.5 amp

Transient protected

Transient Protection

Surge Withstand Capability:

IEEE C37.90.0-2002: 2500 V pk-pk oscillatory, 4000 V pk fast transient burst

IEEE C37.90.0-2002: 2500 V pk-pk oscillatory, 5000 V pk fast transient burst

High Voltage: All M-2026 input terminals will withstand 1500 Vac RMS to chassis or instrument ground for one minute with a leakage current not to exceed 25 mA, for all terminals to ground. The M-2026 output terminals will withstand 500 Vac RMS to chassis or instrument ground for one minute with a leakage current not to exceed 25 mA, for terminals to ground. Input and output circuits are electrically isolated from each other, from other circuits and from ground.

Radiated Electromagnetic Withstand Capability: All units are protected against electromagnetic radiated interference from portable communications transceivers.

Environmental

Temperature range: -40° C to +85° C

Humidity: Operational to a maximum of 95% relative humidity.

Fungus Resistance: A conformal printed circuit board coating inhibits fungus growth.

Physical

Size: 12.0" long x 4.10" wide x 2.38" high (30.5 cm x 10.2 cm x 6.1 cm)

Approximate Weight: 3.0 lbs (1.36 kg)

Warranty

The M-2026 is covered by a five year warranty from date of shipment.

TRADEMARKS

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Specification subject to change without notice. Beckwith Electric has approved only the English version of this document.

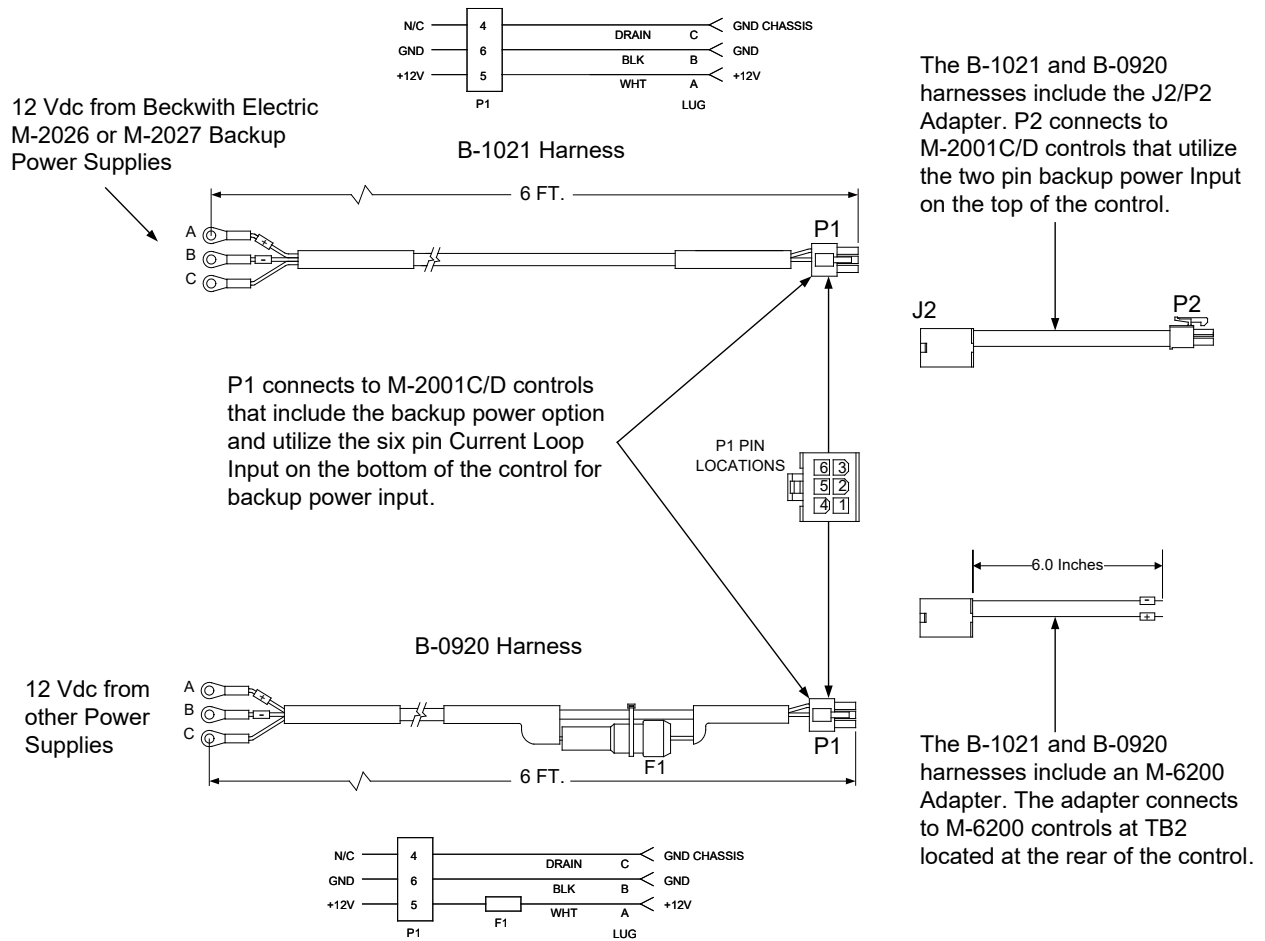


Figure 1 Output Cable and Adapters



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