

Features

- 2U module configuration
- -30V to -52V dc input
- Hot-bus plug-in, designed for parallel operation
- -20 to +45 Deg C operation
- >500Khrs Demonstrated MTBF



Specifications

INPUT

Input Voltage: -30 to -52Vdc

OUTPUT

Voltage: +24 or 27Vdc; -48 or 54Vdc

Power: 1200W

Accuracy: +/- 50mV

Ripple & Noise: 1% P-P measured with 20Mhz bandwidth

Line Regulation: Less than +/- 0.25%

Temperature Coefficient: Less than +/- 0.02% per 40°C

EFFICIENCY

Efficiency: 88% typical

PROTECTION

- Under-voltage cut off <39.5Vdc
- Output over-voltage protection (OVP) & over-temperature protection

Alarms

Electronic: Input Ok and Output OK
Visual Alarm: Output OK

Controls

Remote Inhibit: TTL control signal will cause module to shutdown

O/P Remote Voltage control: +9% to -27% adjustment of set-point voltages with 0 to 5V control signal.

ENVIRONMENTAL

Cooling:

Normal operation -20° to +45°C

Storage Temp: -50° to +85°C

Humidity: 0-95% non-condensing

MECHANICAL

Weight: 7lbs

Module Dimensions: Height 3.42" (87mm)

Width 4.45" (108mm)

Length 14.74" (375mm)

Mercury Mounting Shelf: H2U * W19" * D20" shelf provides input distribution and output connection for four modules in parallel.

Order Information

Model Number	Part Number	Description
MeC12N3B-P27D00	137465-P27D00	Mercury 2U, DC/DC converter 48V nominal
MeC12N3B-N48D00	137465-P27D00	Mercury 2U, DC/DC converter 24V nominal

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