PRODUCT FEATURES:

- 1RU Height, 2000 Watt Rectifier Module
- High Efficiency Operation (up to 92%)
- Universal AC Input
- Active PFC for EN61000-3-2 Class D Compliance
- Active Current-Sharing (within ≤ 2.5A module-to-module; 10% ~ 100% load)
- Hot-Swappable (< 0.5% Vout deviation)
- Full Featured Status and Alarms
- Front Panel LED Indicator
- RS-485 Serial Interface (via rear connector)
- International Safety Approvals
- RoHS 2 Compliant

INPUT SPECIFICATIONS:

- VOLTAGE: 85VAC to 264VAC (see Derating Curve for <180VAC)
- FREQUENCY: 47-63Hz
- INRUSH CURRENT: ≤ 15A max; ≤ 12.5A @ 240VAC (Cold Start)
- OPERATING CURRENT: ≤ 11.3A @ 240VAC; 11.85A (max, continuous)
- PROTECTION: Dual 15A Fuses / 250 V Rated
- LEAKAGE: ≤3.5mA @ 264VACin
- EFFICIENCY: 92% typical
- HARMONICS: EN61000-3-2 Class D Compliant (≥0.98 PF)

OUTPUT SPECIFICATIONS:

- OUTPUT VOLTAGE: -54Vdc (typical)
- OUTPUT CURRENT: 37A (max, continuous)
- ADJUSTMENT RANGE: -43Vdc -- -58Vdc
- MINIMUM LOAD: 0A
- LINE REGULATION: ±0.5% max, across full input range
- LOAD REGULATION: ±0.5% max, across full load range
- RIPPLE: ≤ 250mVp-p; < 20mV rms (20MHz BW)
- SETPOINT ACCURACY: ±1%
- EXCURSION: ±3% (10-100% Step Load)
- RECOVERY: 100ms max
- OVER CURRENT: 105% ~ 120% (Auto-Recovery)
- OVER VOLTAGE PROTECTION: 59Wdc (±1V; recycle input to reset)
- LOAD CAPACITANCE: 10,000µF (max)

SAFETY STANDARDS:

- UL / cUL: UL/CSA 60950-1, 2nd edition dated 2014-10-14
- CE MARK: Low Voltage Directive

GENERAL SPECIFICATIONS:

- OPERATING TEMPERATURE: -40°C to +70°C (>51°C, see Derating Curve)
- OPERATING HUMIDITY: 5% - 90% (non-condensing)
- STORAGE: -55°C to +85°C; 5% to 95% (non-condensing)
- COOLING: 2 Internal Intelligent Fans
- VIBRATION: 10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
- SHOCK: 20G Peak Acceleration
- RELIABILITY: MTBF: 232,495 hours @ 50°C (per Mil STD 217F)
- SIZE (W x L x H): 109mm x 340mm x 43.6mm (4.29in x 13.39in x 1.72in)
- WEIGHT: 1.82 kg (4.0 lbs)

EMISSIONS:

- ELECTROSTATIC DISCHARGE: EN61000-4-2, 4KV Contact / 8KV Air
- RADIATED SUSCEPTIBILITY: EN61000-4-3, 26MHz-2000MHz, 10V/m, 80%AM
- EFT / BURSTS: EN61000-4-4, 2KV
- CONDUCTED IMMUNITY: EN61000-4-6, 150KHz-80MHz, 10Vrms, 80%AM
- VOLTAGE DIPS: EN61000-4-10, 90% Dip & 10ms
- VOLTAGE INTERRUPTIONS: EN61000-4-11, 95% reduction, 5ms
- FLUCTUATIONS & FLICKER: EN61000-3-3

STATUS & CONTROL SPECIFICATIONS:

- FRONT PANEL LEDs: Green=OK; Red=Major Alarm; Blinking Red (or Red/Green)=AC Input Voltage error; Blinking Green=Communication Loss w/CWC module
- COMMUNICATION: RS-485 to host controller; SNMPv1 network interface via RJ45 jack
OUTLINE DRAWING:

Note: Rectifier Module may derate slightly different depending on shelf application; see specific Shelf datasheet for details.

DERATING CURVES:

* DC Output Current derates 0.6%/VAC linearly from 180VAC, down to 85VAC (at 85VACin, each rectifier delivers 15.91A)
ORDERING INFORMATION:

Contact your DongAh Elecomm USA sales representative for pricing and availability. Contact DongAh USA at **(888) 878-7331** or email to **sales@dongahusa.com** for all areas not covered.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Manufacturing Part Number (MPN)</th>
<th>Input Voltage</th>
<th>Output(s)</th>
<th>Safety Certifications</th>
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