

# CDR-2621-6M1

## 2600W CRPS Power Supply AC/DC Dual-input Redundant

### FEATURES

- High Efficiency: 96%
- Hot Swappable
- PMBus Support
- Full Digital Power Supply
- Smart Fan Speed Control
- Activate Power Factor Correction
- In-system Firmware Upload



■ Dimension : 265 x 73.5 x 40 mm (D x W x H)

## SPECIFICATIONS

### ▶ INPUT

|           |  |
|-----------|--|
| Voltage   | AC input: 180 - 264Vac<br>DC input: 180 - 300Vdc |
| Frequency | 47 - 63Hz  |
| Current   | AC 200 - 240V / 15-12.5A<br>DC 240V / 12.5A      |

### ▶ EFFICIENCY, PFC, THD

| Load (%) | Input 230Vac      |              |            |
|----------|-------------------|--------------|------------|
|          | Input current THD | Power Factor | Efficiency |
| 10%      | 20%               | 0.9          | 90%        |
| 20%      | 15%               | 0.96         | 94%        |
| 50%      | 5%                | 0.98         | 96%        |
| 100%     | 5%                | 0.99         | 91%        |

### ▶ OUTPUT

|                          |              |          |
|--------------------------|--------------|----------|
| Parameter                | 12V          | 12Vsb    |
| Rated Continuous         | 216A         | 4.0A     |
| CLST Peak 20s PL2        | Rated + 20A  | 4.5A     |
| Pmax.app Peak 10msec PL3 | Rated + 132A | N/A      |
| Pmax Peak 100µs PL 4     | Rated + 168A | N/A      |
| Regulation               | ±5%          | ±5%      |
| Ripple & Noise           | 120mVp-p     | 120mVp-p |

### ▶ PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)  
Over Power Protection (OPP)  
Over Voltage Protection (OVP)  
Over Thermal Protection (OTP)  
Short Circuit Protection (SCP)  
Holdup Time: 11.2ms @ 70% Load  
MTBF: >400,000 hours @ 30 °C  
Warranty: 3 Years

### ▶ ENVIRONMENTAL

|                   |   |
|-------------------|---|
| Temperature       | Operating : 0 to 55°C<br>Non-operating : -40 to 70°C  |
| Altitude          | Operating : to 16,500 feet (5,000 meters)<br>Non-operating : to 49,000 feet (15,200 meters) |
| Relative humidity | Operating : to 85% RH, Non-condensing<br>Storage : to 95% RH, Non-condensing                |

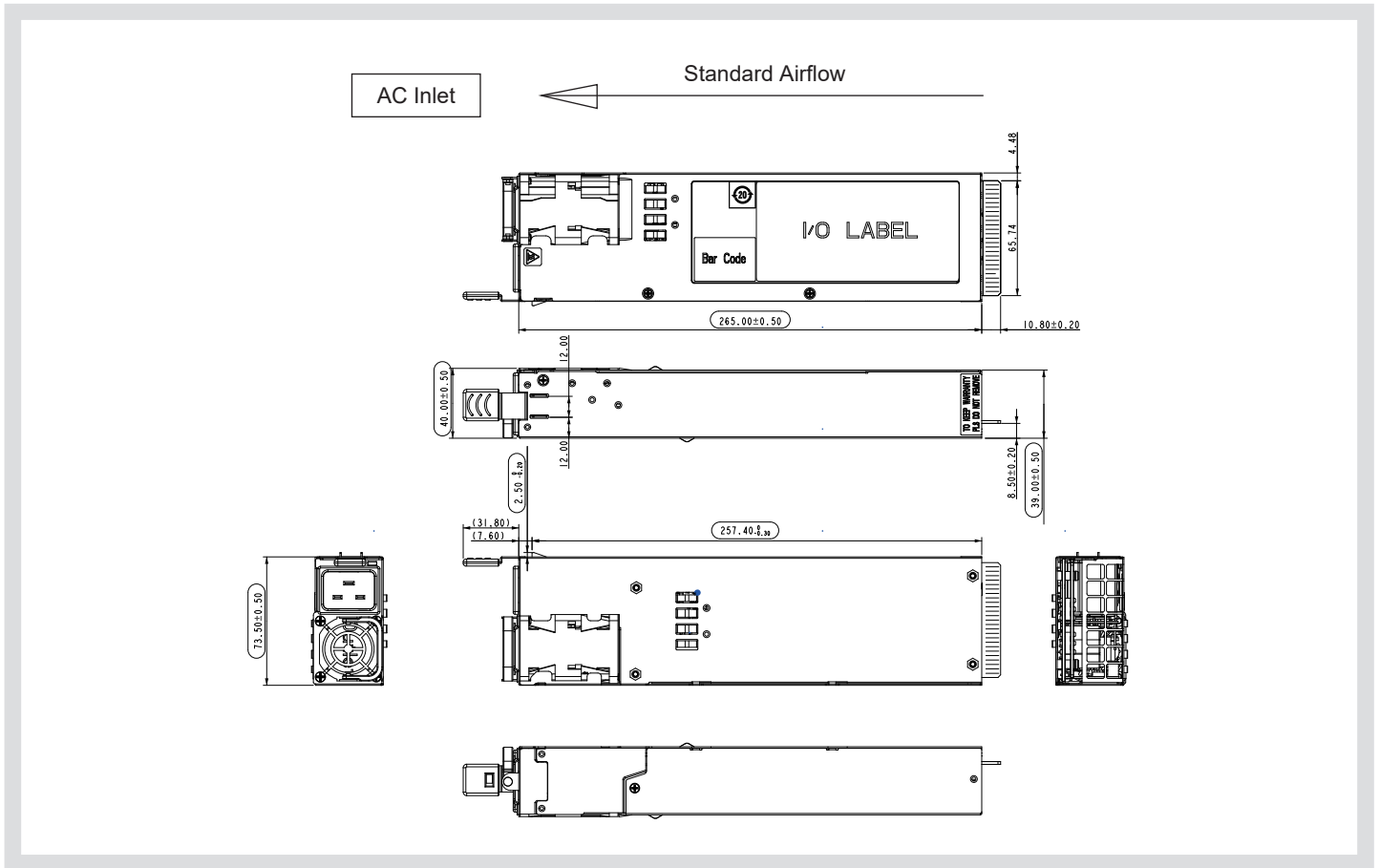
## SAFTY AND COMPLIANCE

UL, cUL, CE, CQC, BSMI, CB, FCC class A, CISPR Class A, RoHS

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## MECHANICAL DRAWING



### CONNECTORS

| AC Inlet                   | DC Output   | DC Output Mating  |
|----------------------------|-------------|---|
| IEC 320 C-20, 16A / 250Vac | Gold Finger | Amphenol HPG12P14SRT153T / FCI 10035388-102LF or equivalent parts |

### OUTPUT CONNECTOR PIN ASSIGNMENTS

| PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name       | PIN# | Signal Name | PIN# | Signal Name        | PIN# | Signal Name                 |
|------|-------------|------|-------------|------|-------------------|------|-------------|------|--------------------|------|-----------------------------|
| A1   | GND         | A11  | +12V        | A21  | PSON              | B1   | GND         | B11  | +12V               | B21  | 12V Standby                 |
| A2   | GND         | A12  | +12V        | A22  | SMBAlert#         | B2   | GND         | B12  | +12V               | B22  | Cold Redundancy Bus         |
| A3   | GND         | A13  | +12V        | A23  | Return Sense      | B3   | GND         | B13  | +12V               | B23  | 12V load share bus (Vshare) |
| A4   | GND         | A14  | +12V        | A24  | +12V Remote Sense | B4   | GND         | B14  | +12V               |      |                             |
| A5   | GND         | A15  | +12V        |      |                   | B5   | GND         | B15  | +12V               | B24  | Present (connect to ground) |
| A6   | GND         | A16  | +12V        | A25  | PWOK              | B6   | GND         | B16  | +12V               | B25  | A2 (SMBus address)          |
| A7   | GND         | A17  | +12V        |      |                   | B7   | GND         | B17  | +12V               |      |                             |
| A8   | GND         | A18  | +12V        |      |                   | B8   | GND         | B18  | +12V               |      |                             |
| A9   | GND         | A19  | PMBus SDA   |      |                   | B9   | GND         | B19  | A0 (SMBus address) |      |                             |
| A10  | +12V        | A20  | PMBus SCL   |      |                   | B10  | +12V        | B20  | A1 (SMBus address) |      |                             |

★ Product details and image are for reference and final product is subject to change without notice.



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