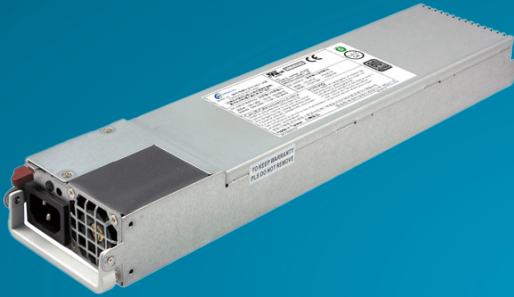


# CPR-1621-4M11

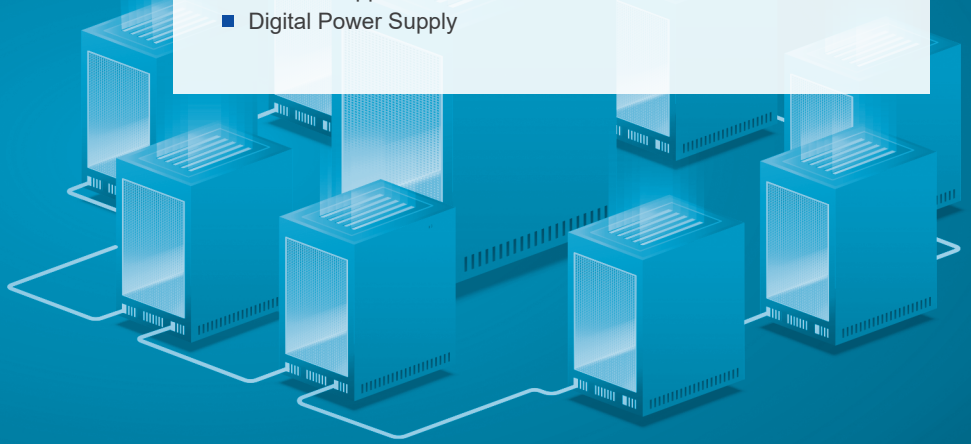
**1600W** Power Supply  
AC/DC Dual-input Redundant

## FEATURES

- High Efficiency: 96%
- Hot Swappable
- PMBus Support
- Digital Power Supply
- Smart Fan Speed Control
- Active Power Factor Correction



■ Dimension : 346 x 76 x 40 mm (D x W x H)



## SPECIFICATIONS

### ► INPUT

|           |                                                 |
|-----------|-------------------------------------------------|
| Voltage   | AC input: 90 - 264Vac<br>DC input: 180 - 300Vdc |
| Frequency | 47 - 63Hz                                       |
| Current   | AC 100 - 140V / 10-7A<br>AC 180 - 240V / 11-8A  |

### ► EFFICIENCY, PFC, THD

| Load (%) | Input 115Vac      |              |            | Input 230Vac      |              |            |
|----------|-------------------|--------------|------------|-------------------|--------------|------------|
|          | Input current THD | Power Factor | Efficiency | Input current THD | Power Factor | Efficiency |
| 10%      | 15%               | 0.9          | 87%        | 18%               | 0.9          | 90%        |
| 20%      | 10%               | 0.95         | 91%        | 10%               | 0.95         | 94%        |
| 50%      | 8%                | 0.98         | 93%        | 5%                | 0.95         | 96%        |
| 100%     | 5%                | 0.99         | 90%        | 5%                | 0.98         | 91%        |

### ► OUTPUT

|                |          |         |
|----------------|----------|---------|
| Parameter      | 12V      | 5Vsb    |
| Max Load       | 133.3A   | 1A      |
| Regulation     | ±5%      | ±5%     |
| Ripple & Noise | 120mVp-p | 50mVp-p |

### ► PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)  
Over Power Protection (OPP)  
Over Voltage Protection (OVP)  
Over Temperature Protection (OTP)  
Short Circuit Protection (SCP)  
Holdup Time: 11ms @ 75% Load  
MTBF: >200,000 hours @ 25 °C  
Warranty: 3 Years

### ► ENVIRONMENTAL

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Temperature       | Operating : 0 to 50°C<br>Non-operating : -10 to 60°C                                        |
| Altitude          | Operating : to 16,500 feet (5,000 meters)<br>Non-operating : to 35,000 feet (10,580 meters) |
| Relative humidity | Operating : 20% to 90% RH, Non-condensing<br>Storage : 5% to 95% RH, Non-condensing         |

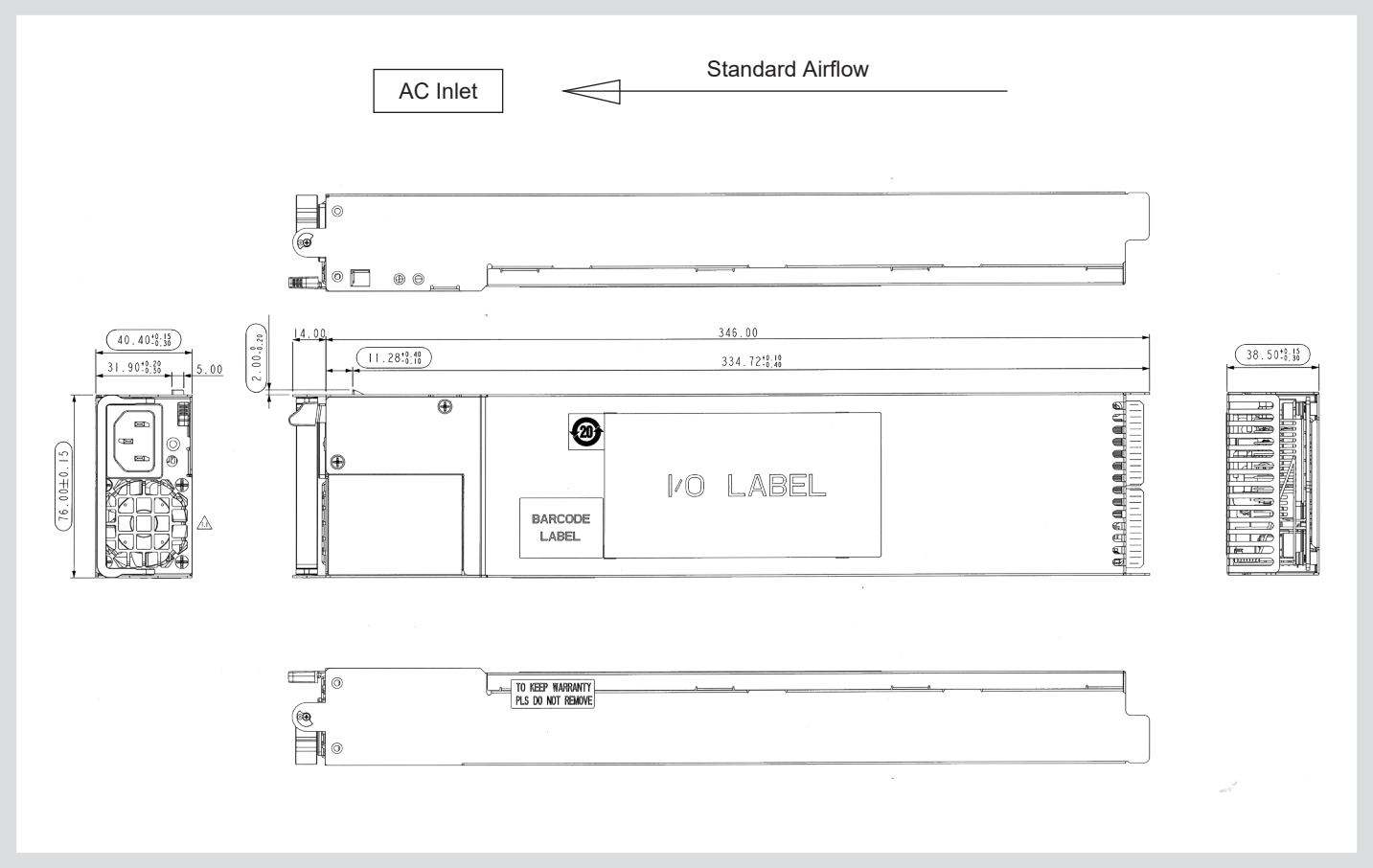
## SAFETY AND COMPLIANCE

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

# CPR-1621-4M11



## MECHANICAL DRAWING



### CONNECTORS

| AC Inlet                   | DC Output                       | DC Output Mating                             |
|----------------------------|---------------------------------|----------------------------------------------|
| IEC 320 C-14, 15A / 250Vac | Gold Finger (27 pair connector) | Amphenol GPCP442628110HR or equivalent parts |

### OUTPUT CONNECTOR PIN ASSIGNMENTS

| Bottom |             |      |             |      |             | Top  |              |      |             |      |             |
|--------|-------------|------|-------------|------|-------------|------|--------------|------|-------------|------|-------------|
| PIN#   | Signal Name | PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name  | PIN# | Signal Name | PIN# | Signal Name |
| P28    | DC Return   | A38  | 5Vsb CO     | A48  | DC Return   | P1   | +12V         | P11  | SMBAlert    | P21  | +12V        |
| P29    | DC Return   | A39  | DC Return   | A49  | DC Return   | P2   | +12V         | P12  | DC GOOD     | P22  | +12V        |
| P30    | DC Return   | A40  | DC Return   | A50  | DC Return   | P3   | +12V         | P13  | +12V        | P23  | +12V        |
| P31    | DC Return   | A41  | DC Return   | A51  | DC Return   | P4   | +12V         | P14  | +12V        | P24  | +12V        |
| A32    | RS GND      | A42  | DC Return   | A52  | DC Return   | P5   | Ishare       | P15  | +12V        | P25  | +12V        |
| A33    | Spare       | A43  | DC Return   | A53  | DC Return   | P6   | A1 (address) | P16  | +12V        | P26  | +12V        |
| A34    | 12V RS GND  | A44  | DC Return   | A54  | DC Return   | P7   | A2 (address) | P17  | +12V        | P26  | +12V        |
| A35    | Wake Up Bus | A45  | DC Return   |      |             | P8   | I2C SCL      | P18  | +12V        | P27  | +12V        |
| A36    | DC Return   | A46  | DC Return   |      |             | P9   | I2C SDA      | P19  | +12V        |      |             |
| A37    | 5Vsb CO     | A47  | DC Return   |      |             | P10  | PS ON/OFF    | P20  | +12V        |      |             |

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



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