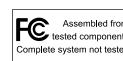


## YH5112-1GAR2A0D



### Feature

- 355.0 (L) x 106.0 (W) x 41.5 (H) mm
- 1+1 Redundant
- Support PMBus 1.2
- No Minimum Load Required
- Application for IPC/Storage/Embedded server/Networking



| INPUT                 |                                                          |
|-----------------------|----------------------------------------------------------|
| Input Voltage         | 90-132VAC/190-310VDC @850W, 180-264VAC/240-310VDC @1100W |
| Input Frequency       | 47-63Hz                                                  |
| Input Current         | 12.0A / 115VAC, 8.0A / 230VAC                            |
| Inrush Current        | 60A max at 264VAC                                        |
| Power Factor          | 0.95/115VAC, 0.95/230VAC                                 |
| Earth Leakage Current | 3.5mA max for each power supply at 240VAC                |

| GENERAL       |                                              |
|---------------|----------------------------------------------|
| Efficiency    | 80Plus Platinum                              |
| Power Density | 11.6 W/in <sup>3</sup>                       |
| MTBF          | 100 kHrs per Bellcore SR-332 at 25°C ambient |

| ENVIRONMENTAL         |                                                                |
|-----------------------|----------------------------------------------------------------|
| Operating Temperature | -5 to 50°C                                                     |
| Operating Humidity    | 85% RH, Non-condensing                                         |
| Storage Temperature   | -40°C to +70 °C                                                |
| Operating Altitude    | Sea level to 5,000 M                                           |
| Shock Operating       | 10G, no malfunction                                            |
| Non-Operating         | 50G Trapezoidal Wave, Velocity change 4.3m/sec                 |
| Vibration Operating   | 0.01G <sup>2</sup> /Hz at 10Hz, 0.02G <sup>2</sup> /Hz at 20Hz |
| Non-Operating         | 0.02G <sup>2</sup> /Hz form 20Hz to 1kHz                       |

| EMC & SAFETY       |                                                        |
|--------------------|--------------------------------------------------------|
| Emissions          | EN55022, class A Conducted / EN55022, class A Radiated |
| Harmonic Currents  | EN61000-3-2                                            |
| Voltage Flicker    | EN61000-3-3                                            |
| EFT/Burst          | EN61000-4-4                                            |
| Surge              | EN61000-4-5                                            |
| Conducted Immunity | EN61000-4-6                                            |
| Safety Approvals   | UL/cUL, TUV, CB, CE, CCC, FCC                          |

| Output | Minimum Load | Maximum Load              | Condition                               | Ripple & Noise |
|--------|--------------|---------------------------|-----------------------------------------|----------------|
| +3.3V  | 0A           | 25A                       | +3.3V ~ +5V<br>combined power<br>≤ 210W | 50mV p-p       |
| +5V    | 0A           | 36A                       |                                         | 50mV p-p       |
| +12V   | 0A           | 70A @850W<br>90.5A @1100W |                                         | 120mV p-p      |
| -12V   | 0A           | 0.5A                      |                                         | 120mV p-p      |
| +5Vsb  | 0A           | 3.0A                      |                                         | 50mV p-p       |

## YH5112-1GAR2A0D

