

# Redundant Module 1000W

## YM-2102JAR



### Feature

- 260.0 (L) x 98.5 (W) x 40.0 (H) mm
- N+1 Redundant
- Support PMBus 1.2
- Hight Power Density 16.0 W/in<sup>3</sup>
- Application for IPC/Storage/Embedded server/Networking



| INPUT                 |                                           |
|-----------------------|-------------------------------------------|
| Input Voltage         | -36 ~ -72VDC                              |
| Input Current         | 36A max at -36VDC, 20A max at -72VDC      |
| Inrush Current        | 100A max at -72VDC                        |
| Earth Leakage Current | 1.5mA max for each power supply at -75VDC |

| GENERAL       |                                              |
|---------------|----------------------------------------------|
| Efficiency    | 82% at Max load of -48 ~ -72VDC              |
| Power Density | 16.0 W/in <sup>3</sup>                       |
| MTBF          | 100 kHrs per Bellcore SR-332 at 25°C ambient |

| ENVIRONMENTAL         |                                                                |
|-----------------------|----------------------------------------------------------------|
| Operating Temperature | 0 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       | 5G, no malfunction                                             |
| Non-Operating         | 30G, no damage                                                 |
| 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 |
|--------|--------------|--------------|-----------|----------------|
| +12V   | 1.0A         | 82.1A        |           | 120mV p-p      |
| +5Vsb  | 0.1A         | 6.0A         |           | 50mV p-p       |

