

# 1U Redundant 850 watts

## YH5851-1EAR0A2D

### » FEATURES

- 355.0 (L) x 106.0 (W) x 41.5 (H) mm
- 1+1 Redundant
- Support PMBus 1.2
- Application for IPC/Storage/Embedded server/Networking
- Redundant Module: YM-2851ECR



### » INPUT

Input Voltage	-36 - -72VDC
Input Current	28.0A / -36VDC, 14.0A / -72VDC
Inrush Current	100A max at -72VDC
Earth Leakage Current	3.5mA max for each power supply at -48VDC

### » GENERAL

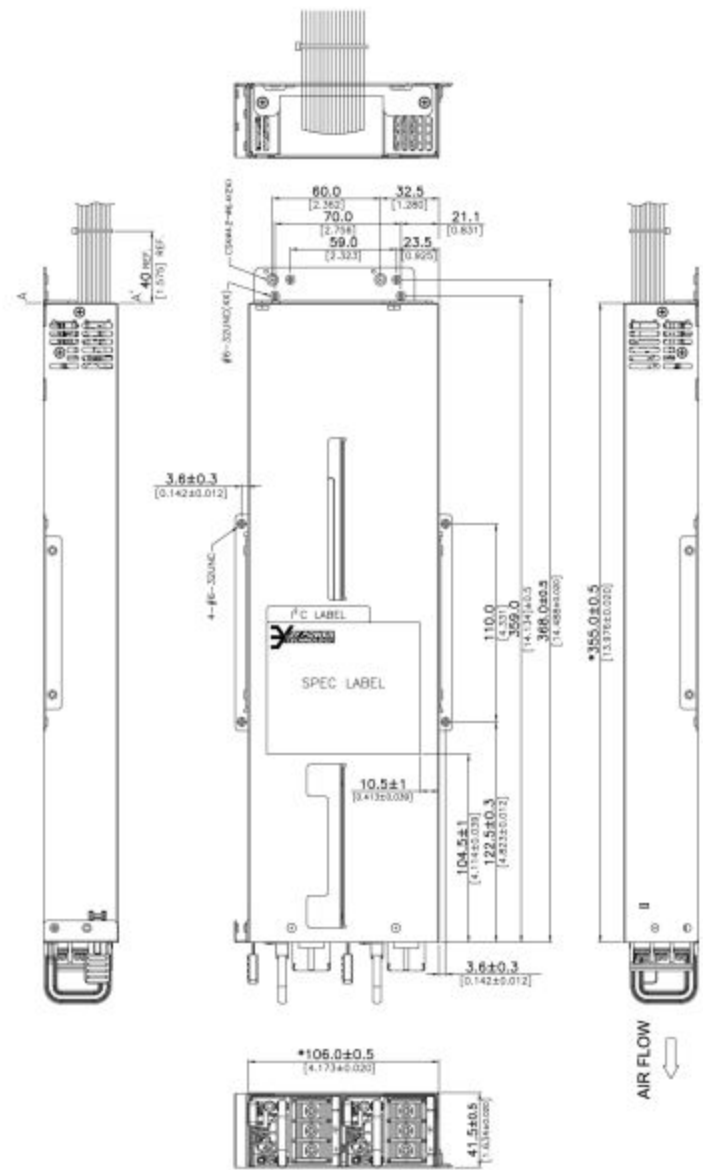
Efficiency	85% at Max load of -48VDC
MTBF	100 kHrs per Bellcore TR-332 ISSUE1 at 25°C ambient

### » 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	0.02G <sup>2</sup> /Hz at 20Hz, 0.02G <sup>2</sup> /Hz at 1kHz
Vibration Operating	0.01G <sup>2</sup> /Hz at 10Hz, 0.02G <sup>2</sup> /Hz at 20Hz

### » 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 combined power ≤ 210W	50mV p-p
+5V	0A	36A		50mV p-p
+12V	0A	70A		120mV p-p
-12V	0A	0.5A		120mV p-p
+5VsB	0A	3.0A		50mV p-p