

# High Efficiency · Stability · Energy Saving

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- ▶ PoE

## 1U Redundant 450 watts



### YH8451-1BER

▶▶ **FEATURES**

- 355.0 (L) x 106.0 (W) x 41.5 (H) mm
- N+1 Redundant
- Support PMBus
- Application for IPC/Storage/Embedded server/Networking
- Redundant Module: YM-2451CA01R



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Print | Drawing | CB | CCC | CE | TUV | UL

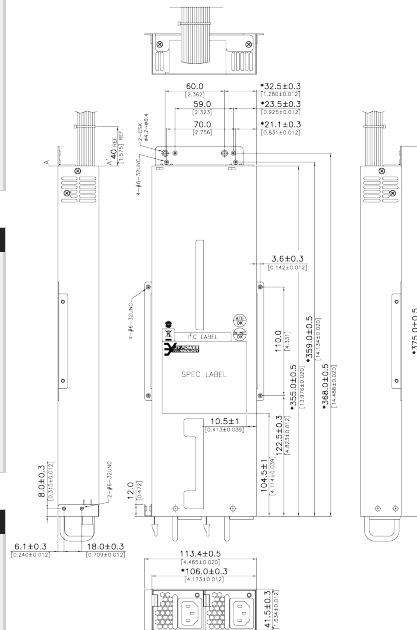


▶▶ INPUT	
Input Voltage	90 - 264VAC
Input Frequency	47-63Hz
Input Current	8.0A max at 115VAC, 4.0A max at 230VAC
Inrush Current	60A max at 264VAC
Power Factor	0.98 at 115VAC / 60Hz, 0.94 at 230V / 50Hz
Earth Leakage Current	3.0mA max at 264VAC / 50Hz

▶▶ GENERAL	
Efficiency	80 Plus SILVER certified, Highest efficiency 89% at 230VAC
MTBF	100 kHrs per Bellcore SR-332 ISSUE1 at 25°C ambient

▶▶ ENVIRONMENTAL	
Operating Temperature	0 to 40°C
Operating Humidity	5 - 90%, Non-condensing
Storage Temperature	-40°C to +70 °C
Operating Altitude	Sea level to 12,000 M
Shock Operating	5G, 11mSec, half sine 3 axes
Non-Operating	2G at 10Hz to 300Hz, 3 axes
Vibration Operating	0.5G at 10Hz to 500Hz, 3 axes

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



Output	Minimum Load	Maximum Load	Condition	Ripple & Noise
+3.3V	1.5A	18A		50mV p-p

+5V	1.0A	18A	+3.3V ~ +5V combined power $\leq$ 140W	50mV p-p
+12V1	0.5A	16A		120mV p-p
+12V2	0.5A	16A		120mV p-p
+12V3	1.0A	16A		120mV p-p
+12V4	0A	0A		120mV p-p
-12V	0A	0.5A		120mV p-p
+5VSB	0.1A	3.0A		50mV p-p

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