

**Module**

**Module-Omega Series**

**FEATURE**

- Std. form factor power module(ERP2U Size)
- High Efficiency
- 80Plus Bronze / Climate Saver 1 certified  
YM-2721AXR & YM-2821AXR
- 80Plus Silver / Climate Saver 2 certified: YM-2102BXR
- Smart Fan Control (Load/Temperature/System)
- Remote On/Off Control
- Current share with O-ring diodes
- I2C Serial Bus Interface (PMBus, PSMI1.44/2.12)
- Tylersburg compliant
- RoHS compliant for all six substances



**SAFETY STANDARD APPROVAL**



**INPUT SPECIFICATION**

Input Voltage	90-264VAC
Input Frequency	47~65Hz
Input Current	10A max at 115V :YM-2721AXR 15A max at 115V :YM-2821AXR & YM-2102BXR
Inrush Current	60A max at 230V
EarthLeakageCurrent	3.5mA max@264V/50Hz

**GENERAL**

Efficiency	Min 80% at 115VAC
Power Density	11.52 W/in <sup>3</sup> : YM-2721AXR 13.12 W/in <sup>3</sup> : YM-2821AXR 16 W/in <sup>3</sup> : YM-2102BXR
Signals	Power good, TTL compatible I <sup>2</sup> C Bus, Presence indicator Presence indicator
MTBF	200 kHrs per Bellcore SR-332 at 50°C
Remote Sensing	+12V

**OUTPUT SPECIFICATION**

Output Rating	See table
Ripple & Noise	+12V: 120mV p-p +3.3V: 50mV p-p
Hold Up Time	18mS/110V
OVP	+ 12V: 13.3V~14.5V
OTP	Primary & secondary protection with auto recovery
OCP	110 - 150%, auto recovery
Remote On/Off	On = PSON ≤ 0.8V, low Off = PSON ≤ 2.4V, high, open
Current Share	2 supplies to share within ± 10%
I <sup>2</sup> C-Bus	PMBus or SMBus compliant
EEPROM	IPMI compliant

**ENVIROMENTAL**

Operating Temp.	0 to 40°C
Operating Humidity	95% RH non-condensing
Storage Temp.	-40°C to +70°C
Storage Humidity	

**EMC & Safety**

Safety Approvals	IEC60950-1
Emissions	EN55022, class B Conducted EN55022, class B Radiated
Harmonic Currents	EN61000-3-2, class D
Voltage Flicker	EN61000-3-3
EFT/Burst	EN61000-4-4, level 3 Perf Criteria B
Surge	EN61000-4-5, level 3 Pref Criteria B
Conducted Immunity	EN61000-4-6, 10Vrms, Pref Criteria A

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**PRODUCT SERIES LIST**

Model Name	Total Output Watt.	Output Current															
		+12V		+5VSB		+12V		+5VSB		+12V		+5VSB		+12V		+5VSB	
		Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)
YM-2721AXR	720W	1	58.8	0.1	3												
YM-2821AXR	820W	1	67.1	0.1	3												
YM-2102BXR	1000W	1	82.8	0.1	3												

Note:

**Mechanical Drawing**

Dimension 260(L) x 98.5(W) x 40.0(H)

