

Module

Module-Sunny Series

FEATURE

- 80Plus Silver / Climate Saver 3 certified: YM-2301DXR
- 80Plus Gold / Climate Saver 3 certified: YM-2451CXR & YM-2651BXR
- Ultra compact design (1U Size)
- Smart Fan Control(Load/Temp./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	5A max at 115V: YM-2301DXR 8A max at 115V:YM-2451CXR 10A max at 115V: YM-2651BXR
Inrush Current	60A max at 230V
EarthLeakageCurrent	1.5mA max at 264VAC/50Hz : YM-2301DXR & YM-2451CXR 3.5mA max@264V/50Hz: YM-2651BXR

OUTPUT SPECIFICATION

Output Rating	See table
Ripple & Noise	+12V: 120mV p-p +5Vsb: 50mV p-p
Hold Up Time	16mS/110V : YM-2301DXR 18mS/11V: YM-2451CXR&YM-2651BXR
OVP	+12V : 13.3V ~ 14.5V +5Vsb: 5.7V ~ 6.5V
OTP	Primary protection with auto recovery
OCP	110 - 150%, auto recovery
Remote On/Off	On = PSON \leq 0.8V, low Off = PSON \leq 2.4V, high, open
Current Share	2 supplies to share within \pm 10%
I ² C-Bus	PMBus or SMBus compliant
EEPROM	IPMI compliant

GENERAL

Efficiency	Average \geq 85%
Power Density	8.07 W/in ³ : YM-2301DXR& YM-24511CXR 17.49 W/in ³ : YM-2651BXR
Signals	Power good, TTL compatible I ² C Bus, Presence indicator
MTBF	200 kHrs per Bellcore SR-332 at 25°C
Remote Sensing	+12V

ENVIROMENTAL

Operating Temp.	0 to 50°C
Operating Humidity	85% 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											
		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-2301DXR	300W	2	25	0,1	3										
YM-2451CXR	450W	2	37	0	3										
YM-2651BXR	650W	2	52,9	0	3										

Note:

Mechanical Drawing

Dimension 300(L) x 50.5(W) x 42.0(H)

