

1U Redundant

1U, 1+1-Sunny Series

FEATURE

- Ultra compact Design (1U Size)
- >80% Very High Efficiency
- low noise design <50dB @ full load
- Remote On/Off Control
- Current share with O-ring diodes
- I²C Serial Bus Interface
- Tylersburg compliant
- RoHS compliant for all six substances



SAFETY STANDARD APPROVAL



INPUT SPECIFICATION

Input Voltage	90-264VAC
Input Frequency	47~65Hz
Input Current	8A max at 115V
Inrush Current	60A max at 230V
EarthLeakageCurrent	3.5mA max@264V/50Hz

GENERAL

Efficiency	Min 80% at 115VAC
Power Density	4.72 W/in ³ : YH8451-1BXR 6.82 W/in ³ : YH8451-1BXR
Signals	Power good, TTL compatible I ² 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 +5Vsb: 50mV p-p
Hold Up Time	20mS/110V
OVP	+ 12V: 13.3V~14.5V
OTP	Primary & secondary protection with auto recovery
OCP	110-150%, auto recovery,240VAC limited 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 ² C-Bus	
EEPROM	

ENVIROMENTAL

Operating Temp.	0 to 40°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)	Min(A)	Max(A)
YH2301-1CXR	300W	2	23,7	0	3												
YH2451-1CXR	450W	2	37	0	3												
YH2651-1CXR	650W	2	52,9	0	3												

Note:

Redundant Module: YM-2301DXR, YM-2451CXR, YM-2651BXR

Mechanical Drawing

Dimension 355(L) x 106(W) x 41.5(H)

