

Mini Redundant

Mini 1+1-EVMR Series

FEATURE

- High Efficiency
- Built in Active PFC Function
- Low Ripple & Noise
- RoHS compliant for all six substances



SAFETY STANDARD APPROVAL



INPUT SPECIFICATION

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

OUTPUT SPECIFICATION

Output Rating	See table
Ripple & Noise	+3.3V, +5V, +5VSB: 50mVp-p +12V: 120mVp-p -5V, -12V: 200mVp-p
Hold Up Time	16mS
OVP	+3.3V: 3.9V~4.5V +5V: 5.7V~6.5V +12V: 13.3V~14.5V
OTP	Primary & secondary protection with auto recovery
OCP	+3.3V, +5V: 110-150%, +12V1,2,3: Peak current minimum; 20.5A maximum
Remote On/Off	On = PSON: 0V~1.0V Off = PSON: 2.0V~5.25V
Current Share	2 supplies to share within ±5%
EEPROM	

GENERAL

Efficiency	Min 80% at full load
Power Density	2.46 W/in ³ : YH6351-1HXR 2.95 W/in ³ : YH6421-1AXR
Signals	Power good, Power Fail LED indicator
MTBF	100 kHrs per Bellcore SR-332 at 25°C
Remote Sensing	

ENVIROMENTAL

Operating Temp.	0 to 50°C
Operating Humidity	5-90% RH non-condensing
Storage Temp.	-20°C to +80°C
Storage Humidity	5-90% RH non-condensing

EMC & Safety

Safety Approvals	IEC60950-1
Emissions	EN55022, class B Conducted EN55022, class B Radiated

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PRODUCT SERIES LIST

Model Name	Total Output Watt.	Output Current															
		+3.3V		+5V		+12V1		+12V2		+12V3		-5V		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)
FSP350-80EVMR	350W	0.5	20	0.5	20	0.5	18	0.5	18	0.5	14	0	0.5	0	0.8	0	2
FSP450-80EVMR	450W	0.5	20	0.5	20	0.5	18	0.5	18	0.5	16	0	0.5	0	0.8	0	2
FSP500-80EVMR	500W	0.5	20	0.5	20	0.5	19	0.5	19	0.5	18	0	0.5	0	0.8	0	2
YH6351-1QxR	350W	0.5	20	0.5	25	1	24	0	0	0	0	0	0.5	0	0.8	0	4
YH6451-1CxR	450W	0.5	20	0.5	25	1	35	0	0	0	0	0	0.5	0	0.8	0	4
YH6501-1KxR	500W	0.5	20	0.5	25	1	40	0	0	0	0	0	0.5	0	0.8	0	4

Note:

FSP350-80EVMR: Maximum continuous total DC output power should not exceed 350W. Maximum continuous combined load on +3.3V and +5V outputs shall not exceed 100W. Maximum combined current for the 12V outputs shall be 24A. When peak load of +5Vsb is 2.5A, the main power should be turn on.

FSP450-80EVMR: Maximum continuous total DC output power should not exceed 450W. Maximum continuous combined load on +3.3V and +5V outputs shall not exceed 100W. Maximum combined current for the 12V outputs shall be 35A. When peak load of +5Vsb is 2.5A, the main power should be turn on.

FSP500-80EVMR: Maximum continuous total DC output power should not exceed 500W. Maximum continuous combined load on +3.3V and +5V outputs shall not exceed 100W. Maximum combined current for the 12V outputs shall be 39A. When peak load of +5Vsb is 2.5A, the main power should be turn on.

Mechanical Drawing

Dimension 190(L) x 150(W) x 84(H) mm

