

**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 No damage.

EarthLeakageCurrent 3.5mA max@264V/50Hz

**GENERAL**

Efficiency Min 80% at full load  
 Power Density 2.46 W/in<sup>3</sup>: YH6351-1HXR  
 2.95 W/in<sup>3</sup>: YH6421-1AXR

Signals Power good, Power Fail  
 LED indicator

MTBF 100 kHrs per Bellcore SR-332 at 25°C

Remote Sensing

**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%

I<sup>2</sup>C-Bus  
 EEPROM

**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

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

