

2U

FSP-2UC/2UN Series (400W~500W)

FEATURE

- Meet 80 Plus STANDARD : 2UC Series
- Meet 80 Plus GOLD : 2UN Series
- Build in Active PFC Function
- High Efficiency
- Low Ripple & Noise
- With OVP, OCP and SCP Protection



SAFETY STANDARD APPROVAL



INPUT SPECIFICATION

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Input Current	Max.6.3A @115V : FSP400-602UC / Max. 10.0A @115V: FSP500-702UC Max.8.0A @115V :FSP500-702UN
Earth leakage current	Max 3.5mA @ 264Vac/50Hz

OUTPUT SPECIFICATION

Output Voltage/ Current	See Product Series List
Output Regulation Load	+3.3V, +5V, +12V, 5VSB : ±5% -12V: ±10%
Ripple and noise	+3.3V, +5V, 5VSB: 50mV p-p / +12V, -12V: 120mV p-p
Output Rise Time	115V-rms/230V-rms + 5V: 20ms Maximum 115V-rms/230V-rms +12V: 20ms Maximum
Over Voltage Protection	+3.3Vdc output: Protection point 3.5V~4.5V +5Vdc output: Protection point 5.5V~6.82V +12Vdc output: Protection point 13.4V~15.6V
Short Circuit Protection	Output short circuit is defined to be a short circuit load of less than 0.1 ohm
Hold Up Time	Min. 16mS @115Vac/230Vac, Full Load

ENVIROMENTAL

Operating Temperature	0°C~50°C
Storage Temperature	- 20°C~80°C
Operating Humidity	5~85%, RH, Non-Condensing
Storage Humidity	5~95%, RH, Non-Condensing

MTBF	Min.100,000 hours@70% load at 25°C ambient by MIL-HDBK-217F : 2UC Series Min.100,000 hours@full load at 25°C ambient by MIL-HDBK-217F: 2UN Series
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EMC & Safety

Safety Standard	EN60950-1-2
Emission	EN55022, Class B Conducted / Class B Radiated FCC Part15, Class B

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PRODUCT SERIES LIST

Model Name	Total Output Watt.	Output Current													
		+3.3V		+5V		+12V1		+12V2		+12V3		-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)
FSP400-602UC	400W	0.5	20.0	0.5	20.0	1.5	16.0	1.5	16.0	-	-	0.0	0.5	0.0	2.5
FSP500-702UC	500W	0.5	24.0	0.5	20.0	1.0	15.0	1.0	15.0	1.0	15.0	0.0	0.5	0.0	2.5
FSP500-702UN	500W	0.1	20.0	1.0	20.0	0.5	16.0	0.5	16.0	0.5	16.0	0.0	0.5	0.0	3.5

Note:

+5V, +3.3V, +12V, -12V will have the regulation to 10%, when all load take off.

FSP400-602UC: (1)The+ 3.3V and +5V total output shall not exceed 150watts (2)Total output for this subject power is 400watts.

FSP500-702UC: (1)The +3.3V and +5V total output shall not exceed 150watts (2)Total output for this subject power is 500watts (3)Maxmum continuous load combined+ 12V should not exceed 35A.

FSP500-702UN: 5V,3.3V,12V,-12V Will have the regulation to 10% when all load take off. The +3.3V and +5V total output shall not exceed 130watts. The total output shall not exceed 500watts.

Mechanical Drawing

Dimension 240(L) x 100(W) x 70(H) mm

