

2U**FSP-2UH Series (500W~600W)****FEATURE**

- Meet 80 Plus BRONZE : 2UH 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. 8.0A@115V : FSP500-702UH, Max. 10.0A@115V : FSP600-702UH |
| 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 : $\pm 5\%$ -12V: $\pm 10\%$ |
| 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 :FSP500-702UH Min. 16mS @115Vac/230Vac, 50% Load : FSP600-702UH |

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

EMC & Safety

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

2U FSP-2UH Series (500W~600W)

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) |
| FSP500-702UH | 500W | 0.5 | 20.0 | 1.0 | 20.0 | 0.5 | 16.0 | 1.0 | 16.0 | 1.0 | 16.0 | 0.0 | 0.5 | 0.0 | 3.0 |
| FSP600-702UH | 600W | 1.5 | 25.0 | 1.0 | 25.0 | 1.0 | 16.0 | 1.0 | 16.0 | 1.0 | 16.0 | 0.0 | 0.5 | 0.0 | 3.0 |

Note:

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

FSP500-702UH: (1)Maximum continuous total DC output power should not exceed 500W (2)Maximum continuous load on the combined 12V1,12V2,12V3 output shall not exceed 39A (3)combined 3.3V and 5V power shall not exceed 130W.

FSP600-702UH: (1)Maximum continuous total DC output power should not exceed 600W (2)Maximum continuous load on the combined 12V1,12V2,12V3 output shall not exceed 48A (3)combined 3.3V and 5V power shall not exceed 150W.

Mechanical Drawing

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

