



MEDICAL

PC ATX

Adapter

Open Frame

POWER
NEVER ENDS

About FSP

FSP Group is the leading power supply manufacturer in the world.

Since established in 1993, the company has been committed to its R&D capability, production capacity and product quality to stand out from the competitive market.

FSP Group provides a wide variety of products related to power and electronics technology, such as adapter, open frame, SSL LED Driver, Medical, LCD TV, Industrial / Desktop computers and Servers to fit our OEM / ODM customers' needs. FSP Group is aiming to develop more and better environment friendly products continuously, including PV Inverter, UPS, ESS and battery charger products.

FSP Group's global presence in Taiwan, China, Germany, Sweden, France, India, Japan, Korea, Turkey, UK, and USA has made it easier to provide immediate support. As FSP Group is aiming to create a win-win situation, we treat our customers as friends by providing customized products and excellent service.

For FSP Group, making **Power never ends** will be our sustainable goal.

Our vision:

To be the global leading provider of green energy solutions, touch people's life, contribute to the better environment.

Our mission:

Providing the best value to customers, employees and shareholders by our innovative service and high quality products.



PC ATX Specifications

| Form Factor | Max Wattage | Dimension L x W x H (mm) | Model No. | Maximum Load (A) | | | | | | | | Safety Certificate | |
|-------------|-------------|--------------------------|---------------|------------------|-----|-------|-------|-------|------|-------|-----|--------------------|---------------------------|
| | | | | +3.3V | +5V | +12V1 | +12V2 | +12V3 | -12V | +5Vsb | -5V | | |
| Flex | 250 | 190 × 82 × 41 | FSP250-60MPC | 12 | 14 | 18 | | | | 0.3 | 2.5 | 0.3 | UL, TUV, CE |
| Flex | 300 | 190 × 82 × 41 | FSP300M-50PE | 12 | 14 | 24 | | | | 0.3 | 2.5 | | UL, TUV, CE ^{*4} |
| Flex | 400 | 190 × 82 × 41 | FSP400M-50PE | 14 | 16 | 33 | | | | 0.3 | 3.0 | | UL, TUV, CE ^{*4} |
| 1U | 400 | 220 × 100 × 41 | FSP400M-80PA | 18 | 18 | 16 | 16 | 16 | | 0.5 | 3.0 | 0.2 | UL, TUV, CE |
| 1U | 500 | 220 × 100 × 41 | FSP500M-80PA | 20 | 20 | 16 | 16 | 16 | | 0.5 | 3.0 | 0.2 | UL, TUV, CE |
| 1U | 900 | 240 × 100 × 41 | FSP900M-60PF | 20 | 20 | 75 | | | | 0.4 | 3.0 | 0.2 | UL, TUV, CE ^{*4} |
| PS2 | 400 | 140 × 150 × 86 | FSP400M-70PD | 21 | 18 | 18 | 18 | | | 0.5 | 3.0 | 0.2 | UL, TUV, CE |
| PS2 | 400 | 140 × 150 × 86 | FSP400-70MPE | 32 | 30 | 18 | 18 | | | 0.8 | 3.0 | 0.2 | UL, TUV, CE |
| PS2 | 500 | 140 × 150 × 86 | FSP500M-80PD | 24 | 20 | 16 | 16 | 16 | | 0.5 | 3.0 | 0.2 | UL, TUV, CE |
| PS2 | 500 | 140 × 150 × 86 | FSP500-70MPE | 32 | 30 | 18 | 18 | | | 0.8 | 3.0 | 0.2 | UL, TUV, CE |
| PS2 | 700 | 165 × 150 × 86 | FSP700M-70PB | 24 | 30 | 30 | 30 | | | 0.5 | 3.0 | 0.2 | UL, TUV, CE |
| PS2 | 1000 | 165 × 150 × 86 | FSP1000M-60PG | 25 | 25 | 83 | | | | 0.5 | 3.5 | 0.2 | UL, TUV, CE ^{*4} |

Notes: *1) Input voltage AC 100~240V

*2) 50°C Operation Temperature

*3) Optional -5V output

*4) Please check certificate schedule before design

Wall mount Specifications

| Max Wattage | Case Dimension L x W x H (mm) | Model No. | | | Output Rating | | Safety Certificate |
|-------------|-------------------------------|-------------|-------------|-----------------|---------------|------|--------------------|
| | | USA | Europe | Interchangeable | V | A | |
| 20 | 77 x 45 x 34 | FSP020M-DPU | FSP020M-DPE | | 5 | 4.00 | CB |
| 30 | 77 x 45 x 34 | FSP030M-DHU | FSP030M-DHE | | 12 | 2.50 | CB |
| 20 | 77 x 45 x 34 | FSP020M-KPU | FSP020M-KPE | FSP020M-KPM *1 | 5 | 4.00 | UL, TUV, CE*2 |
| 27 | 77 x 45 x 34 | FSP027M-KSU | FSP027M-KSE | FSP027M-KSM *1 | 10 | 2.70 | UL, TUV, CE*2 |
| 30 | 77 x 45 x 34 | FSP030M-KHU | FSP030M-KHE | FSP030M-KHM *1 | 12 | 2.50 | UL, TUV, CE*2 |
| 30 | 77 x 45 x 34 | FSP030M-KDU | FSP030M-KDE | FSP030M-KDM *1 | 18 | 1.67 | UL, TUV, CE*2 |
| 30 | 77 x 45 x 34 | FSP030M-KAU | FSP030M-KAE | FSP030M-KAM *1 | 24 | 1.25 | UL, TUV, CE*2 |

Notes: *1) Dimension 77 x 45 x 40 mm *2) UL for USA model, TUV & CE for Europe model

USB-PD Specifications

| Max Wattage | Case Dimension L x W x H (mm) | Model No. | | Output Rating | | Input Socket | | Safety Certificate |
|-------------|-------------------------------|-------------|----------|---------------|--------------|--------------|----------|--------------------|
| | | Class-I | Class-II | V | A | Class-I | Class-II | |
| 65 | 114 x 50 x 34 | FSP065M-DUA | | 5/9/12/15/20 | 3/3/3/3/3.25 | C14 | | UL, TUV, CE*3 |
| 65 | 114 x 50 x 34 | FSP065M-DUB | | 5/9/12/15/20 | 3/3/3/3/3.25 | C6 | | UL, TUV, CE*3 |

Notes: *1) Input voltage AC 100~240V *2) 40°C Operation Temperature *3) Please check certificate schedule before design

Adapter Specifications

| Max Wattage | Case Dimension L x W x H (mm) | Model No. | | Output Rating | | Input Socket | | Safety Certificate |
|-------------|-------------------------------|--------------|--------------|---------------|-------|--------------|----------|--------------------|
| | | Class-I | Class-II | V | A | Class-I | Class-II | |
| 25 | 110 x 50 x 32 | FSP025M-DPA | | 5 | 5.00 | C14 | | UL, TUV, CE |
| 30 | 110 x 50 x 32 | FSP030M-DHA | | 12 | 2.50 | C14 | | UL, TUV, CE |
| 30 | 110 x 50 x 32 | FSP030M-DGA | | 15 | 2.00 | C14 | | UL, TUV, CE |
| 30 | 110 x 50 x 32 | FSP030M-DDA | | 18 | 1.66 | C14 | | UL, TUV, CE |
| 45 | 114 x 50 x 34 | FSP045M-DHA | | 12 | 3.75 | C14 | | TBC |
| 45 | 114 x 50 x 34 | FSP045M-DGA | | 15 | 3.00 | C14 | | TBC |
| 45 | 114 x 50 x 34 | FSP045M-DBA | | 19 | 2.37 | C14 | | TBC |
| 45 | 114 x 50 x 34 | FSP045M-DAA | | 24 | 1.88 | C14 | | TBC |
| 60 | 129 x 59 x 32 | FSP060M-DHB3 | FSP060M-DHC3 | 12 | 5.00 | C6 | C8 | UL, TUV, CE |
| 60 | 129 x 59 x 32 | FSP060M-DBB3 | FSP060M-DBC3 | 19 | 3.16 | C6 | C8 | UL, TUV, CE |
| 60 | 129 x 59 x 32 | FSP060M-DAB3 | FSP060M-DAC3 | 24 | 2.50 | C6 | C8 | UL, TUV, CE |
| 60 | 129 x 59 x 32 | FSP060M-DHA3 | | 12 | 5.00 | C14 | | UL, TUV, CE |
| 60 | 129 x 59 x 32 | FSP060M-DBA3 | | 19 | 3.16 | C14 | | UL, TUV, CE |
| 60 | 129 x 59 x 32 | FSP060M-DAA3 | | 24 | 2.50 | C14 | | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DHB | FSP090M-DHC | 12 | 7.50 | C6 | C8 | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DGB | FSP090M-DGC | 15 | 6.00 | C6 | C8 | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DBB | FSP090M-DBC | 19 | 4.74 | C6 | C8 | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DAB | FSP090M-DAC | 24 | 3.75 | C6 | C8 | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DHA | | 12 | 7.50 | C14 | | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DGA | | 15 | 6.00 | C14 | | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DBA | | 19 | 4.74 | C14 | | UL, TUV, CE |
| 90 | 162 x 61 x 34 | FSP090M-DAA | | 24 | 3.75 | C14 | | UL, TUV, CE |
| 120 | 175 x 90 x 28 | FSP120M-KBA | FSP120M-KBC | 19 | 6.32 | C14 | C8 | UL, TUV, CE |
| 120 | 175 x 90 x 28 | FSP120M-KAA | FSP120M-KAC | 24 | 5.00 | C14 | C8 | UL, TUV, CE |
| 120 | 175 x 90 x 28 | FSP120M-KEA | FSP120M-KEC | 36 | 3.34 | C14 | C8 | UL, TUV, CE |
| 132 | 175 x 90 x 28 | FSP132M-KHA | FSP132M-KHC | 12 | 11.00 | C14 | C8 | UL, TUV, CE |
| 150 | 175 x 90 x 28 | FSP150M-KBA | FSP150M-KBC | 19 | 7.90 | C14 | C8 | UL, TUV, CE |
| 150 | 175 x 90 x 28 | FSP150M-KAA | FSP150M-KAC | 24 | 6.25 | C14 | C8 | UL, TUV, CE |
| 220 | 204 x 88 x 42 | FSP250M-KHA | FSP250M-KHD | 12 | 18.34 | C14 | C18 | UL, TUV, CE |
| 250 | 204 x 88 x 42 | FSP250M-KBA | FSP250M-KBD | 19 | 13.16 | C14 | C18 | UL, TUV, CE |
| 250 | 204 x 88 x 42 | FSP250M-KAA | FSP250M-KAD | 24 | 10.42 | C14 | C18 | UL, TUV, CE |
| 250 | 204 x 88 x 42 | FSP250M-KEA | FSP250M-KED | 36 | 6.95 | C14 | C18 | UL, TUV, CE |
| 250 | 204 x 88 x 42 | FSP250M-KFA | FSP250M-KFD | 48 | 5.21 | C14 | C18 | UL, TUV, CE |

Notes: *1) Input voltage AC 100~240V *2) 40°C Operation Temperature

Openframe Specifications

| Max Wattage | | Dimension L x W x H (mm) | Model No. | Output Rating | | | | Fan Driver | Form Factor | Safety Certificate | Note |
|-------------|------------|--------------------------------|------------------|---------------|-------|--------|------|---------------|----------------|-----------------------------|------|
| Convection | Forced air | | | V1 | A1 | V2 | A2 | | | | |
| 55 | | 101.6 x 50.8 x 27.6 | FSP060-1K00M1 | 5 | 11.00 | | | Yes | PCB | UL, TUV, CE | |
| 60 | | 101.6 x 50.8 x 27.6 | FSP060-1K20M1 | 12 | 5.00 | | | Yes | PCB | UL, TUV, CE | |
| 64 | | 101.6 x 50.8 x 27.6 | FSP060-1K30M1 | 15 | 4.30 | | | Yes | PCB | UL, TUV, CE | |
| 64 | | 101.6 x 50.8 x 27.6 | FSP060-1K40M1 | 24 | 2.70 | | | Yes | PCB | UL, TUV, CE | |
| 55 | | 101.6 x 50.8 x 27.6 | FSP060-2K30M1 | 5 | 8.00 | 12 | 3.00 | Yes | PCB | UL, TUV, CE | |
| 55 | | 101.6 x 50.8 x 27.6 | FSP060-2K50M1 | 5 | 8.00 | 24 | 1.50 | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-12A | 12 | 8.34 | | | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-15A | 15 | 6.67 | | | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-18A | 18 | 5.56 | | | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-24A | 24 | 4.17 | | | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-36A | 36 | 2.78 | | | Yes | PCB | UL, TUV, CE | |
| 80 | 100 | 101.6 x 50.8 x 30.3 | FSP100M-K24-48A | 48 | 2.09 | | | Yes | PCB | UL, TUV, CE | |
| 100 | 150 | 101.6 x 50.8 x 30.5 | FSP150M-K24-12 | 12 | 12.50 | | | Yes | PCB | UL, TUV, CE | |
| 100 | 150 | 101.6 x 50.8 x 30.5 | FSP150M-K24-18 | 18 | 8.34 | | | Yes | PCB | UL, TUV, CE | |
| 100 | 150 | 101.6 x 50.8 x 30.5 | FSP150M-K24-24 | 24 | 6.25 | | | Yes | PCB | UL, TUV, CE | |
| 100 | 150 | 101.6 x 50.8 x 30.5 | FSP150M-K24-36 | 36 | 4.17 | | | Yes | PCB | UL, TUV, CE | |
| 100 | 150 | 101.6 x 50.8 x 30.5 | FSP150M-K24-48 | 48 | 3.13 | | | Yes | PCB | UL, TUV, CE | |
| 150 | 200 | 127 x 76.2 x 38 | FSP202-1K70M1 | 36 | 5.56 | | | Yes | U-Bracket | UL, TUV, CE | |
| 150 | 200 | 127 x 76.2 x 38 | FSP202-1K80M1 | 48 | 4.17 | | | Yes | U-Bracket | UL, TUV, CE | |
| 150 | 260 | 127 x 76.2 x 34 | FSP260M-P35-A12 | 12 | 21.66 | | | No | PCB | UL, TUV, CE *4 | |
| 150 | 260 | 127 x 76.2 x 34 | FSP260M-P35-A19 | 19 | 13.66 | | | No | PCB | UL, TUV, CE *4 | |
| 200 | 260 | 127 x 76.2 x 36.6 | FSP260M-P35-B24 | 24 | 10.80 | | | No | PCB | UL, TUV, CE *4 | |
| 200 | 300 | 152.4 x 76.2 x 31 | FSP300M-K36-12A | 12 | 25.00 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE | |
| 200 | 300 | 152.4 x 76.2 x 31 | FSP300M-K36-19A | 19 | 15.80 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE | |
| 200 | 300 | 152.4 x 76.2 x 31 | FSP300M-K36-24A | 24 | 12.50 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE | |
| 200 | 300 | 152.4 x 76.2 x 31 | FSP300M-K36-36A | 36 | 8.34 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE | |
| 200 | 300 | 152.4 x 76.2 x 31 | FSP300M-K36-48A | 48 | 6.25 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE | |
| 300 | 400 | 177.8 x 101.6 x 39.6 | FSP400-1K20M1 | 12 | 33.34 | +5Vaux | 0.10 | Yes | U-Bracket | UL, TUV, CE | |
| 300 | 400 | 177.8 x 101.6 x 39.6 | FSP400-1K31M1 | 18 | 22.23 | +5Vaux | 0.10 | Yes | U-Bracket | UL, TUV, CE | |
| 300 | 400 | 177.8 x 101.6 x 39.6 | FSP400-1K40M1 | 24 | 16.67 | +5Vaux | 0.10 | Yes | U-Bracket | UL, TUV, CE | |
| 300 | 400 | 177.8 x 101.6 x 39.6 | FSP400-1K70M1 | 36 | 11.12 | +5Vaux | 0.10 | Yes | U-Bracket | UL, TUV, CE | |
| 300 | 400 | 177.8 x 101.6 x 39.6 | FSP400-1K80M1 | 48 | 8.34 | +5Vaux | 0.10 | Yes | U-Bracket | UL, TUV, CE | |
| 200 | 400 | 127 x 76.2 x 34.6 | FSP400M-H35-A24 | 24 | 16.25 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE *4 | |
| 250 | 450 | 180 x 107 x 39.5 | FSP500M-K47-A12B | 12 | 37.50 | +5Vaux | 2.00 | Yes | U-Bracket | UL, TUV, CE Class-II design | |
| 350 | 450 | 177.8 x 101.6 x 42.6 | FSP500M-K47-12B | 12 | 37.50 | +5Vaux | 0.50 | Yes | U-Bracket | UL, TUV, CE | |
| 400 | 500 | 177.8 x 101.6 x 42.6 | FSP500M-K47-18B | 18 | 27.78 | +5Vaux | 0.50 | Yes | U-Bracket | UL, TUV, CE | |
| 400 | 500 | 177.8 x 101.6 x 42.6 | FSP500M-K47-24B | 24 | 20.84 | +5Vaux | 0.50 | Yes | U-Bracket | UL, TUV, CE | |
| 400 | 500 | 177.8 x 101.6 x 42.6 | FSP500M-K47-36B | 36 | 13.89 | +5Vaux | 0.50 | Yes | U-Bracket | UL, TUV, CE | |
| 400 | 500 | 177.8 x 101.6 x 42.6 | FSP500M-K47-48B | 48 | 10.42 | +5Vaux | 0.50 | Yes | U-Bracket | UL, TUV, CE | |
| 250 | 500 | 180 x 107 x 39.5 | FSP500M-K47-A18B | 18 | 27.78 | +5Vaux | 2.00 | Yes | U-Bracket | UL, TUV, CE Class-II design | |
| 250 | 500 | 180 x 107 x 39.5 | FSP500M-K47-A24B | 24 | 20.84 | +5Vaux | 2.00 | Yes | U-Bracket | UL, TUV, CE Class-II design | |
| 250 | 500 | 180 x 107 x 39.5 | FSP500M-K47-A36B | 36 | 13.89 | +5Vaux | 2.00 | Yes | U-Bracket | UL, TUV, CE Class-II design | |
| 250 | 500 | 180 x 107 x 39.5 | FSP500M-K47-A48B | 48 | 10.42 | +5Vaux | 2.00 | Yes | U-Bracket | UL, TUV, CE Class-II design | |
| 250 | 550 | 127 x 76.2 x 36.6 | FSP550M-H35-A24 | 24 | 22.50 | +5Vaux | 2.00 | Yes | PCB | UL, TUV, CE *4 | |
| | 600 | 203.2 x 101.6 x 65.5 | FSP600M-K48-12C | 12 | 50.00 | +5Vaux | 0.20 | Yes | Box | UL, TUV, CE | |
| | 650 | 203.2 x 101.6 x 65.5 | FSP650M-K48-18C | 18 | 36.12 | +5Vaux | 0.20 | Yes | Box | UL, TUV, CE | |
| | 650 | 203.2 x 101.6 x 65.5 | FSP650M-K48-24C | 24 | 27.09 | +5Vaux | 0.20 | Yes | Box | UL, TUV, CE | |
| | 650 | 203.2 x 101.6 x 65.5 | FSP650M-K48-36C | 36 | 18.06 | +5Vaux | 0.20 | Yes | Box | UL, TUV, CE | |
| | 650 | 203.2 x 101.6 x 65.5 | FSP650M-K48-48C | 48 | 13.55 | +5Vaux | 0.20 | Yes | Box | UL, TUV, CE | |

Notes: *1) Input voltage AC 100~240V

*2) 50°C Operation Temperature

*3) Dimension (H) includes the PCB

*4) Please check certificate schedule before design

Product Advantages

PC ATX



- IEC 60601-1, EN 60601-1, ANSI/AAMI ES 60601-1 approval
- Comply with Medical IEC 60601-1-2 EMC standard
- Comply with Intel ATX 12V design guide
- Output power from 250W to 1000W
- Form factor PS-II, 1U & FLEX

Adapter



- IEC 60601-1, EN 60601-1, ANSI/AAMI ES 60601-1 approval
- Comply with Medical IEC 60601-1-2 EMC standard
- Comprehensive product line and option of various output voltage
- High efficiency comply with DOE and CoC efficiency
- Low power consumption for no load condition
- Output power from 25W to 250W

Open Frame



- IEC 60601-1, EN 60601-1, ANSI/AAMI ES 60601-1 approval
- Comply with Medical IEC 60601-1-2 EMC standard
- Comprehensive product line and option of various output voltage
- Output power from 55W to 650W



GLOBAL OFFICE INFORMATION

FSP TECHNOLOGY INC. (Headquarters)

NO.22, Jianguo E. Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL : +886-3-375-9888 / FAX : +886-3-375-6966 sales@fsp-group.com.tw / www.fsp-group.com



FSP Group