



# MEDICAL

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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 × 81.5 × 40.5	FSP250-60MPC	12	14	18				0.3	2.5	0.3	UL, TUV, CE
Flex	300	190 × 81.5 × 40.5	FSP300M-50PE	12	14	24				0.3	2.5		UL, TUV, CE
Flex	400	190 × 81.5 × 40.5	FSP400M-50PE	14	16	33				0.3	3.0		UL, TUV, CE
1U	400	220 × 100 × 40.5	FSP400M-80PA	18	18	16	16	16	0.5	3.0	0.2	UL, TUV, CE	
1U	500	220 × 100 × 40.5	FSP500M-80PA	20	20	16	16	16	0.5	3.0	0.2	UL, TUV, CE	
1U	900	240 × 100 × 40.5	FSP900M-60PJ	20	20	75			0.4	3.0	0.2	UL, TUV, CE	
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	

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

\*2) 50°C Operation Temperature

\*3) Optional -5V output

# 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 <sup>*1</sup>	5	4.00	UL, TUV, CE <sup>*2</sup>
27	77 x 45 x 34	FSP027M-KSU	FSP027M-KSE	FSP027M-KSM <sup>*1</sup>	10	2.70	UL, TUV, CE <sup>*2</sup>
30	77 x 45 x 34	FSP030M-KHU	FSP030M-KHE	FSP030M-KHM <sup>*1</sup>	12	2.50	UL, TUV, CE <sup>*2</sup>
30	77 x 45 x 34	FSP030M-KDU	FSP030M-KDE	FSP030M-KDM <sup>*1</sup>	18	1.67	UL, TUV, CE <sup>*2</sup>
30	77 x 45 x 34	FSP030M-KAU	FSP030M-KAE	FSP030M-KAM <sup>*1</sup>	24	1.25	UL, TUV, CE <sup>*2</sup>

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	
45	114 x 50 x 34	FSP045M-DUA		5/9/12/15/20	3/3/3/3/3.25	C14		UL, TUV, CE
45	114 x 50 x 34	FSP045M-DUB		5/9/12/15/20	3/3/3/3/3.25	C6		UL, TUV, CE
65	114 x 50 x 34	FSP065M-DUA		5/9/12/15/20	3/3/3/3/3.25	C14		UL, TUV, CE
65	114 x 50 x 34	FSP065M-DUB		5/9/12/15/20	3/3/3/3/3.25	C6		UL, TUV, CE

# 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
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
120	175 x 90 x 28	FSP120M-KFA	FSP120M-KFC	48	2.50	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
150	175 x 90 x 28	FSP150M-KFA	FSP150M-KFC	48	3.13	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

\*Input voltage AC 100~240V

\*40°C Operation Temperature

# Open frame 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	FSP060-2K30M1	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	
65		101.6 x 50.8 x 26.6	FSP065M-P24-A12	12	5.42			Yes	PCB	UL, TUV, CE <sup>*4</sup>	Class-II design
65		101.6 x 50.8 x 26.6	FSP065M-P24-A15	15	4.34			Yes	PCB	UL, TUV, CE <sup>*4</sup>	Class-II design
65		101.6 x 50.8 x 26.6	FSP065M-P24-A19	19	3.43			Yes	PCB	UL, TUV, CE <sup>*4</sup>	Class-II design
65		101.6 x 50.8 x 26.6	FSP065M-P24-A24	24	2.71			Yes	PCB	UL, TUV, CE <sup>*4</sup>	Class-II design
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	
150	260	127 x 76.2 x 34	FSP260M-P35-A19	19	13.66			No	PCB	UL, TUV, CE	
200	260	127 x 76.2 x 36.6	FSP260M-P35-B24	24	10.80			No	PCB	UL, TUV, CE	
300	400	177.8 x 101.6 x 39.6	FSP400-1K20M1	12	33.34	+5Vaux	0.1	Yes	U-Bracket	UL, TUV, CE	
300	400	177.8 x 101.6 x 39.6	FSP400-1K31M1	18	22.23	+5Vaux	0.1	Yes	U-Bracket	UL, TUV, CE	
300	400	177.8 x 101.6 x 39.6	FSP400-1K40M1	24	16.67	+5Vaux	0.1	Yes	U-Bracket	UL, TUV, CE	
300	400	177.8 x 101.6 x 39.6	FSP400-1K70M1	36	11.12	+5Vaux	0.1	Yes	U-Bracket	UL, TUV, CE	
300	400	177.8 x 101.6 x 39.6	FSP400-1K80M1	48	8.34	+5Vaux	0.1	Yes	U-Bracket	UL, TUV, CE	
200	400	127 x 76.2 x 34.6	FSP400M-H35-A24	24	16.25	+5Vaux	2.0	Yes	PCB	UL, TUV, CE <sup>*4</sup>	
200	400	127 x 76.2 x 34.6	FSP400M-H35-A48	48	8.13	+5Vaux	2.0	Yes	PCB	UL, TUV, CE <sup>*4</sup>	
250	450	180 x 107 x 39.5	FSP500M-K47-A12B	12	37.50	+5Vaux	2.0	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	0.5	Yes	U-Bracket	UL, TUV, CE	
400	500	177.8 x 101.6 x 42.6	FSP500M-K47-18B	18	27.78	+5Vaux	0.5	Yes	U-Bracket	UL, TUV, CE	
400	500	177.8 x 101.6 x 42.6	FSP500M-K47-24B	24	20.84	+5Vaux	0.5	Yes	U-Bracket	UL, TUV, CE	
400	500	177.8 x 101.6 x 42.6	FSP500M-K47-36B	36	13.89	+5Vaux	0.5	Yes	U-Bracket	UL, TUV, CE	
400	500	177.8 x 101.6 x 42.6	FSP500M-K47-48B	48	10.42	+5Vaux	0.5	Yes	U-Bracket	UL, TUV, CE	
250	500	180 x 107 x 39.5	FSP500M-K47-A18B	18	27.78	+5Vaux	2.0	Yes	U-Bracket	UL, TUV, CE	Class-II design
250	500	180 x 107 x 39.5	FSP500M-K47-A24B	24	20.84	+5Vaux	2.0	Yes	U-Bracket	UL, TUV, CE	Class-II design
250	500	180 x 107 x 39.5	FSP500M-K47-A36B	36	13.89	+5Vaux	2.0	Yes	U-Bracket	UL, TUV, CE	Class-II design
250	500	180 x 107 x 39.5	FSP500M-K47-A48B	48	10.42	+5Vaux	2.0	Yes	U-Bracket	UL, TUV, CE	Class-II design
	600	203.2 x 101.6 x 65.5	FSP600M-K48-12C	12	50.00	+5Vaux	0.2	Yes	Box	UL, TUV, CE	
	650	203.2 x 101.6 x 65.5	FSP650M-K48-18C	18	36.12	+5Vaux	0.2	Yes	Box	UL, TUV, CE	
	650	203.2 x 101.6 x 65.5	FSP650M-K48-24C	24	27.09	+5Vaux	0.2	Yes	Box	UL, TUV, CE	
	650	203.2 x 101.6 x 65.5	FSP650M-K48-36C	36	18.06	+5Vaux	0.2	Yes	Box	UL, TUV, CE	
	650	203.2 x 101.6 x 65.5	FSP650M-K48-48C	48	13.55	+5Vaux	0.2	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

