



MEDICAL

PC ATX

Adapter

Open Frame

Battery Backup

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 great variety of products related to power and electronics technology, such as adapter, open frame, LED Lighting, Medical, LCD TV, Industrial / Desktop computers and Servers to fulfil our OEM / ODM customers' needs. And FSP Group is now making more efforts to develop better environment friendly products, including PV Inverter, UPS and ESS products.

FSP Group's global presence in Taiwan, Brazil, China, Germany, Sweden, France, India, Japan, Korea, Russia, 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 (mm)	Model No.	Maximum Load (A)									Safety Certificate	
				+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb	-5V		
Flex	220	190*82*41	FSP220-60MPC	9	12	14					0.3	2.5	0.3	UL, TUV, CE
Flex	250	190*82*41	FSP250-60MPC	12	14	18					0.3	2.5	0.3	UL, TUV, CE
1U	300	190*100*41	FSP300-70MU	16	18	16	16				0.5	2.5	0.2	UL, VDE, CE
1U	350	190*100*41	FSP350-70MU	16	18	16	16				0.5	2.5	0.2	UL, VDE, CE
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
PS2	400	140*150*86	FSP400-70MPE	32	30	18	18				0.8	3.0	0.2	UL, TUV, CE*
PS2	400	140*150*86	FSP400-70MPD	21	18	18	18				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	500	140*150*86	FSP500-80MPD	24	20	16	16	16			0.5	3.0	0.2	UL, TUV, CE
PS2	600	165*150*86	FSP600-90MPB	24	24	16	16	16	16		0.5	3.5	0.2	UL, TUV, CE
PS2	700	165*150*86	FSP700-90MPB	24	30	16	16	16	16		0.5	3.5	0.2	UL, TUV, CE

Notes: + Input voltage AC 100~240V + 50°C Operation Temperature + Optional -5V output * Safety Proceeding

PSU with Battery Charger Specifications

Form Factor	Max Wattage	Dimension (mm)	Model No.	Maximum Load (A)							Charge Power	Battery Pack	
				+3.3V	+5V	+12V1	+12V2	+12V3	-12V	+5Vsb			
PS2	450	140*150*86	FSP450-60MUA	20	20	16	16			0.5	2	50W	24V Lead-Acid
PS2	550	140*150*86	FSP550-70MUA	20	20	16	16	16		0.5	3	50W	24V Lead-Acid

Notes: + Input voltage AC 100~240V + 50°C Operation Temperature + CB 60601-1 certificated

Form Factor	Max Wattage	Dimension (mm)	Model No.	Output Rating				Charge Power	Battery Pack
				V1	A1	V2	A2		
PCB	60	102*51*30	FSP060-U24-19	19	3.16			15W maxi.	14.4V Lithium-ion
PCB	60	102*51*30	FSP060-U24-24	24	2.50			15W maxi.	14.4V Lithium-ion
Box	400	198*102*40	FSP400M-U48-18C	18	22.12	+5Vaux	0.35	50W maxi.	14.4V Lithium-ion
Box	400	198*102*40	FSP400M-U48-24C	24	16.60	+5Vaux	0.35	50W maxi.	14.4V Lithium-ion

Notes: + Input voltage AC 100~240V + 50°C Operation Temperature

Adapter Specifications

Max Wattage	Case Dimension (mm)	Model No.		Output Rating		Input Socket		Safety Certificate
		Class-I	Class-II	V	A	Class-I	Class-II	
20	77*45*34		FSP020M-DPU	5	4.00		USA AC plug	UL*
20	77*45*34		FSP020M-DPE	5	4.00		EU AC plug	CE*
27	77*45*34		FSP027M-KSU	10	2.70		USA AC plug	UL*
27	77*45*34		FSP027M-KSE	10	2.70		EU AC plug	TUV, CE*
30	77*45*34		FSP030M-DHU	12	2.50		USA AC plug	UL*
30	77*45*34		FSP030M-DHE	12	2.50		EU AC plug	CE*
30	77*45*34		FSP030M-KDU	18	1.67		USA AC plug	UL*
30	77*45*34		FSP030M-KDE	18	1.67		EU AC plug	TUV, CE*
30	77*45*34		FSP030M-KAU	24	1.25		USA AC plug	UL*
30	77*45*34		FSP030M-KAE	24	1.25		EU AC plug	TUV, CE*
20	77*45*40		FSP020M-KPM-U	5	4.00		Interchangeable	UL, TUV, CE*
27	77*45*40		FSP027M-KSM-U	10	2.70		Interchangeable	UL, TUV, CE*
30	77*45*40		FSP030M-KHM-U	12	2.50		Interchangeable	UL, TUV, CE*
30	77*45*40		FSP030M-KDM-U	18	1.67		Interchangeable	UL, TUV, CE*
30	77*45*40		FSP030M-KAM-U	24	1.25		Interchangeable	UL, TUV, CE*
25	118*50*32	FSP025M-DPA		5	5.00	C14		UL, TUV, CE*
30	118*50*32	FSP030M-DHA		12	2.50	C14		UL, TUV, CE*
30	118*50*32	FSP030M-DDA		18	1.67	C14		UL, TUV, CE*
65	129*51*31	FSP065-DHBM1	FSP065-DHCM1	12	5.42	C6	C8	UL, TUV, CE
65	129*51*31	FSP065-DGBM1	FSP065-DGCM1	15	4.33	C6	C8	UL, TUV, CE
65	129*51*31	FSP065-DDBM1	FSP065-DDCM1	18	3.62	C6	C8	UL, TUV, CE
65	129*51*31	FSP065-DBBM1	FSP065-DBCM1	19	3.43	C6	C8	UL, TUV, CE
65	129*51*31	FSP065-DABM1	FSP065-DACM1	24	2.71	C6	C8	UL, TUV, CE
65	129*59*32	FSP065M-DHA		12	5.42	C14		UL, TUV, CE
65	129*59*32	FSP065M-DGA		15	4.33	C14		UL, TUV, CE
65	129*59*32	FSP065M-DBA		19	3.43	C14		UL, TUV, CE
65	129*59*32	FSP065M-DAA		24	2.71	C14		UL, TUV, CE
90	140*71*22		FSP090-RHCM1	12	7.50		C8	UL, TUV, CE
90	140*71*22		FSP090-RDCM1	18	5.00		C8	UL, TUV, CE
90	140*71*22		FSP090-RBCM1	19	4.74		C8	UL, TUV, CE
90	140*71*22		FSP090-RACM1	24	3.75		C8	UL, TUV, CE
90	145*71*29	FSP090M-RHA		12	7.50	C14		UL, TUV, CE
90	145*71*29	FSP090M-RGA		15	6.00	C14		UL, TUV, CE
90	145*71*29	FSP090M-RBA		19	4.74	C14		UL, TUV, CE
90	145*71*29	FSP090M-RAA		24	3.75	C14		UL, TUV, CE
105	175*90*28	FSP105M-KGA	FSP105M-KGC	15	7.00	C14	C8	UL, TUV, CE*
120	175*90*28	FSP120M-KBA	FSP120M-KBC	19	6.32	C14	C8	UL, TUV, CE*
120	175*90*28	FSP120M-KAA	FSP120M-KAC	24	5.00	C14	C8	UL, TUV, CE*
120	175*90*28	FSP120M-KEA	FSP120M-KEC	36	3.34	C14	C8	UL, TUV, CE*
150	170*85*43	FSP150M-AHA		12	12.50	C14		UL, TUV, CE
150	170*85*43	FSP150M-AGA		15	10.00	C14		UL, TUV, CE
150	170*85*43	FSP150M-ABA		19	7.89	C14		UL, TUV, CE
150	170*85*43	FSP150M-AAA		24	6.25	C14		UL, TUV, CE
180	197*88*45	FSP180-AHAM1		12	15.00	C14		UL, TUV, CE
180	197*88*45	FSP180-ABAM1		19	9.47	C14		UL, TUV, CE
180	197*88*45	FSP180-AAAM1	FSP180-AACM1	24	7.50	C14	C8	UL, TUV, CE
180	197*88*45	FSP180-AKAM1		28	6.42	C14		UL, TUV, CE
200	198*89*44	FSP200-KBAM1	FSP200-KBCM1	19	10.53	C14	C8	UL, TUV, CE
220	198*89*44	FSP220-KAAM1	FSP220-KACM1	24	9.17	C14	C8	UL, TUV, CE
220	198*89*44	FSP220-KKAM1	FSP220-KKCM1	28	7.86	C14	C8	UL, TUV, CE
220	198*89*44	FSP220-KEAM1	FSP220-KECM1	36	6.11	C14	C8	UL, TUV, CE
220	204*88*42	FSP250M-KHA	FSP250M-KHD	12	18.34	C14	C18	UL, TUV, CE*
250	204*88*42	FSP250M-KBA	FSP250M-KBD	19	13.16	C14	C18	UL, TUV, CE*
250	204*88*42	FSP250M-KAA	FSP250M-KAD	24	10.42	C14	C18	UL, TUV, CE*
250	204*88*42	FSP250M-KEA	FSP250M-KED	36	6.95	C14	C18	UL, TUV, CE*
250	204*88*42	FSP250M-KFA	FSP250M-KFD	48	5.21	C14	C18	UL, TUV, CE*
250	204*88*42	FSP250M-KWA	FSP250M-KWD	54	4.63	C14	C18	UL, TUV, CE*

Notes: + Input Voltage AC 100–240V

+ 40°C Operation Temperature

* Safety Proceeding

Open Frame Specifications

Max Wattage	Dimension (inch)	Model No.	Output Rating				Form Factor	Safety Certificate
			V ₁	A ₁	V ₂	A ₂		
30	2 * 3 * 1.2"	FSP030M-B23-05	5	6.00			PCB	TUV, CE
35	2 * 3 * 1.2"	FSP035M-B23-12	12	2.92			PCB	TUV, CE
35	2 * 3 * 1.2"	FSP035M-B23-15	15	2.34			PCB	TUV, CE
35	2 * 3 * 1.2"	FSP035M-B23-18	18	1.95			PCB	TUV, CE
35	2 * 3 * 1.2"	FSP035M-B23-24	24	1.46			PCB	TUV, CE
35	2 * 4 * 1.12"	FSP035M-B24-05	5	7.00			PCB	TUV, CE
45	2 * 4 * 1.12"	FSP045M-B24-12	12	3.75			PCB	TUV, CE
45	2 * 4 * 1.12"	FSP045M-B24-15	15	3.00			PCB	TUV, CE
45	2 * 4 * 1.12"	FSP045M-B24-18	18	2.50			PCB	TUV, CE
45	2 * 4 * 1.12"	FSP045M-B24-24	24	1.875			PCB	TUV, CE
55	2 * 4 * 1.18"	FSP060-1K00M1	5	11.00			PCB	UL, TUV, CE
60	2 * 4 * 1.18"	FSP060-1K20M1	12	5.00			PCB	UL, TUV, CE
64	2 * 4 * 1.18"	FSP060-1K30M1	15	4.30			PCB	UL, TUV, CE
64	2 * 4 * 1.18"	FSP060-1K40M1	24	2.70			PCB	UL, TUV, CE
55	2 * 4 * 1.18"	FSP060-2K30M1	5	6.00	12	3.00	PCB	UL, TUV, CE
55	2 * 4 * 1.18"	FSP060-2K50M1	5	6.00	24	1.50	PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K00M1	5	20.00			PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K20M1	12	8.34			PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K31M1	18	5.56			PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K40M1	24	4.20			PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K50M1	28	3.58			PCB	UL, TUV, CE
100	2 * 4 * 1.26"	FSP100-1K70M1	36	2.78			PCB	UL, TUV, CE
150	2 * 4 * 1.29"	FSP150M-K24-12	12	12.50			PCB	UL, TUV, CE
150	2 * 4 * 1.29"	FSP150M-K24-18	18	8.34			PCB	UL, TUV, CE
150	2 * 4 * 1.29"	FSP150M-K24-24	24	6.25			PCB	UL, TUV, CE
150	2 * 4 * 1.29"	FSP150M-K24-30	30	5.00			PCB	UL, TUV, CE
150	2 * 4 * 1.29"	FSP150M-K24-36	36	4.17			PCB	UL, TUV, CE
200	3 * 5 * 1.5"	FSP202-1K20M1	12	16.67			U-Bracket	UL, TUV, CE
200	3 * 5 * 1.5"	FSP202-1K31M1	18	11.12			U-Bracket	UL, TUV, CE
200	3 * 5 * 1.5"	FSP202-1K40M1	24	8.34			U-Bracket	UL, TUV, CE
200	3 * 5 * 1.5"	FSP202-1K50M1	28	7.15			U-Bracket	UL, TUV, CE
200	3 * 5 * 1.5"	FSP202-1K70M1	36	5.56			U-Bracket	UL, TUV, CE
300	3 * 6 * 1.38"	FSP300M-K36-12A	12	25.00	+5Vaux	2.0	PCB	UL, TUV, CE
300	3 * 6 * 1.38"	FSP300M-K36-19A	19	15.80	+5Vaux	2.0	PCB	UL, TUV, CE
300	3 * 6 * 1.38"	FSP300M-K36-24A	24	12.50	+5Vaux	2.0	PCB	UL, TUV, CE
300	3 * 6 * 1.38"	FSP300M-K36-30A	30	10.00	+5Vaux	2.0	PCB	UL, TUV, CE
300	3 * 6 * 1.38"	FSP300M-K36-36A	36	8.34	+5Vaux	2.0	PCB	UL, TUV, CE
400	4 * 7 * 1.58"	FSP400-1K20M1	12	33.34	+5Vaux	0.1	U-Bracket	UL, TUV, CE
400	4 * 7 * 1.58"	FSP400-1K31M1	18	22.23	+5Vaux	0.1	U-Bracket	UL, TUV, CE
400	4 * 7 * 1.58"	FSP400-1K40M1	24	16.67	+5Vaux	0.1	U-Bracket	UL, TUV, CE
400	4 * 7 * 1.58"	FSP400-1K50M1	28	14.29	+5Vaux	0.1	U-Bracket	UL, TUV, CE
400	4 * 7 * 1.58"	FSP400-1K70M1	36	11.12	+5Vaux	0.1	U-Bracket	UL, TUV, CE
450	4 * 7 * 1.7"	FSP500M-K47-12B	12	37.50	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-18B	18	27.78	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-24B	24	20.84	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-28B	28	17.86	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-36B	36	13.89	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-48B	48	10.42	+5Vaux	0.5	U-Bracket	UL, TUV, CE
500	4 * 7 * 1.7"	FSP500M-K47-57B	57	8.78	+5Vaux	0.5	U-Bracket	UL, TUV, CE
600	4 * 8 * 2.58"	FSP600M-K48-12C	12	50.00	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-18C	18	36.12	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-24C	24	27.09	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-28C	28	23.22	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-36C	36	18.06	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-48C	48	13.55	+5Vaux	0.2	Box	UL, TUV, CE
650	4 * 8 * 2.58"	FSP650M-K48-57C	57	11.41	+5Vaux	0.2	Box	UL, TUV, CE

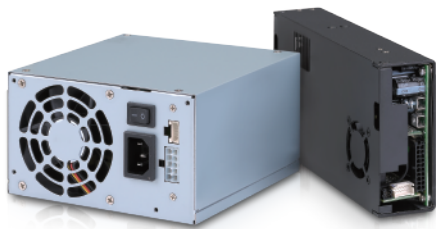
Notes: + Input Voltage AC 100~240V + 50°C Operation Temperature

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 220W to 700W



PSU with Battery Charger

- IEC 60601-1, EN 60601-1, ANSI/AAMI ES 60601-1 safety standard
- Comply with ITE IEC 60950-1 standard
- Comply with Medical IEC 60601-1-2 EMC standard
- Non-stop battery charger features
- USB 2.0 compatible communication interface with host computer
- SMBus interface with battery pack



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 efficiency Level V and Level VI
- Low power consumption for no load condition
- Output power from 20W ~ 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 30W to 650W