







# Redundant Type Selection Guide

**Safety (ITE Standard)** - CB IEC 60950, UL 60950, CSA C 22.2 No. 60950, TUV EN 60950  
**Safety (Medical Standard)** - CB IEC 60601, UL 60601, CSA C 22.2 No. 60601, TUV EN 60601  
**EMI** - Meets EN 55022, FCC Part 15, CISPR 22.  
 Meets EN 61000-3-2, EN 61000-3-3 (PFC function)  
**EMS** - Meets EN 55024, EN 61000-4-2/ 3/ 4/ 5/ 6/ 8/ 11

*\* For the detail spec., please refer to the official certification*

AC Input												
Product	Model No.	Watt	AT or ATX	PFC	Input range		Output current range					
					Voltage	Frequency	+3.3 V	+5 V	+12 V	-5 V	-12 V	+5 Vsb
	<b>ACE-R4140AP</b>	400 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 Hz	25 A (2A min)	25 A (2 A min)	30 A (2.5 A min)		0.8 A (0.1A min)	2 A (0.1A min)
	<b>ACE-R4130AP</b>	300 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 Hz	18 A (1A min)	25 A (3 A min)	16 A (2 A min)	0.5A	0.5 A	2 A (0.1A min)

# Adapter Type Selection Guide

AC Input												
Product	Model No.	Watt	PFC	Input range		Output current range						
				Voltage	Frequency	+3.3 V	+5 V	+12 V	-5 V	-12 V	+5 Vsb	+19 V
	<b>FSP120AAB</b>	120 W	-	90 ~ 264 VAC	47 Hz ~ 63 Hz							6.32A
	<b>FSP060DBAB1</b>	60 W	-	90 ~ 264 VAC	47 Hz ~ 63Hz			5 A				
	<b>FSP036RAB</b>	36W	-	90 ~ 264 VAC	47 Hz ~ 63Hz			3A				
	<b>UP0251E12PL</b>	25 W	-	90 ~ 264 VAC	47 Hz ~ 63 Hz			2.1 A				

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Industrial Data Collector and Controller

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I/O Communication Solutions



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Panel Solutions

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ORing Network Communication





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Power Supply/Peripherals

# Redundant Type Selection Guide

Meet ITE (IEC60950) Standard: V ; Meet Medical (IEC60601) Standard : M

AC Input													Dimensions	Product
Efficiency	Temperature		Safety						EMC					
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
65 %	0 °C ~ 40 °C	-40 °C ~ 70 °C		V		V	V			V	V	V	150 x 85 x 190 (mm)	
65 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	185 x 150 x 86 (mm)	

# Adapter Type Selection Guide

AC Input													Dimensions	Product
Efficiency	Temperature		Safety						EMC					
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
86 %	0°C ~ 50°C	-40°C ~ 85°C	V	V			V	Nemko		V	V		167 x 65 x 37 (mm)	
87 %	0°C ~ 40°C	-20°C ~ 65°C	V	V		V	V			V	V	V	110 x 31 x 62 (mm)	
84.7 %	0°C ~ 40°C	20°C ~ 80°C	V	V		V	V			V	V	V	91.5 x 37.5 x 26 (mm)	
85 %	0°C ~ 50°C	-40°C ~ 85°C	V	V		V	V				V		120 x 60 x 36 (mm)	

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I/O  
Communication  
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Panel  
Solutions

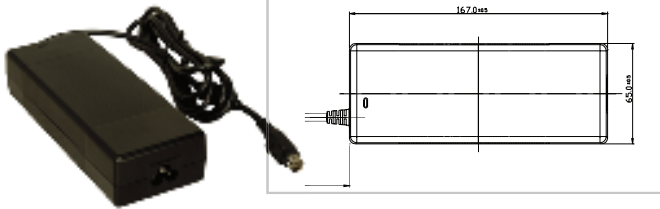
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# FSP120AAB 120 W AC/DC Adapter

**120W**

## Dimensions



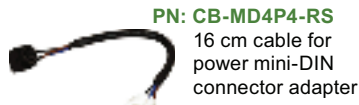
\*\*Meet Eup



## Specifications

- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63 Hz
- Output Voltage: 19 V
- Output Current: 6.32 A
- Output Watts: 120 W
- Efficiency: 86 %
- Operating Temperature: 0 °C ~ 40 °C
- Storage Temperature: -40 °C ~ 85 °C

## Optional Cable



## Connector Type



Plug Type: Power mini-DIN(4P)

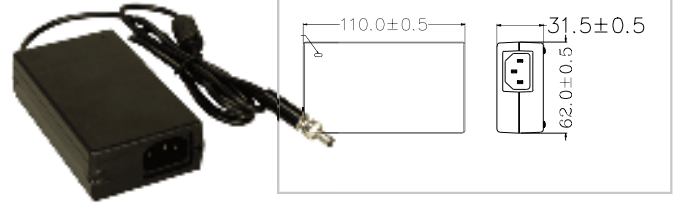
## Ordering Information

Part No.	Description
63000-FSP120AAB-RS	19 V 120W Power adapter; 90~264 Vac input

# FSP060DBAB1 60 W AC/DC Adapter

**60W**

## Dimensions



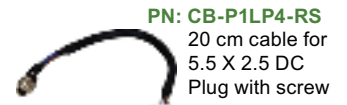
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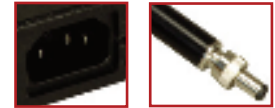
## Specifications

- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63 Hz
- Output Voltage: 12 V
- Output Current: 5 A
- Output Watts: 60 W
- Efficiency: 87 %
- Operating Temperature: 0 °C ~ 40 °C
- Storage Temperature: -20 °C ~ 65 °C

## Optional Cable



## Connector Type



Plug Type: øin 2.5 mm / øout 5.5 mm

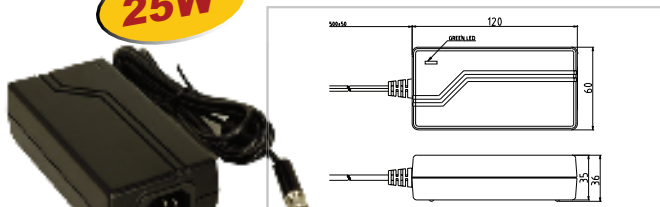
## Ordering Information

Part No.	Description
63000-FSP060DBAB1552-RS	12 V 60W Power Adapter with lock screw 90~264 Vac input; Erp

# UP0251E12PL 25 W AC/DC Adapter

**25W**

## Dimensions



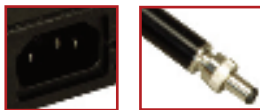
## Specifications

- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63 Hz
- Output Voltage: 12 V
- Output Current: 2.1 A
- Output Watts: 25 W
- Efficiency: 85 %
- Operating Temperature: 0 °C ~ 40 °C
- Storage Temperature: -40 °C ~ 85 °C

## Optional Cable



## Connector Type



Plug Type: øin 2.5 mm / øout 5.5 mm

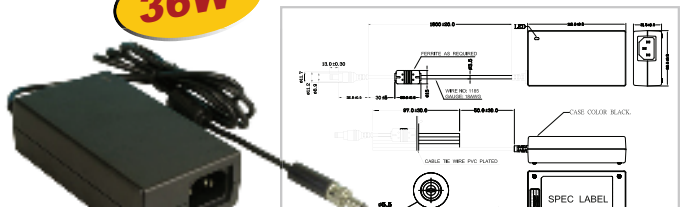
## Ordering Information

Part No.	Description
63000-UP0251E12PL59-RS	12 V 25W power adapter with lock screw; 90~264 Vac input

# FSP036RAB 36W AC/DC Adapter

**36W**

## Dimensions



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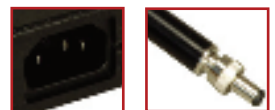
## Specifications

- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63 Hz
- Output Voltage: 12 V
- Output Current: 3 A
- Output Watts: 36 W
- Efficiency: 84.7 %
- Operating Temperature: 0 °C ~ 40 °C
- Storage Temperature: -20 °C ~ 80 °C

## Optional Cable



## Connector Type



Plug Type: øin 2.5 mm / øout 5.5 mm

## Ordering Information

Part No.	Description
63000-FSP036RAB610-RS	12V 36W Power adapter; 90~264VAC input; Erp

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