

# 14

## *Industrial Power Supply*

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# Industrial Power Supply

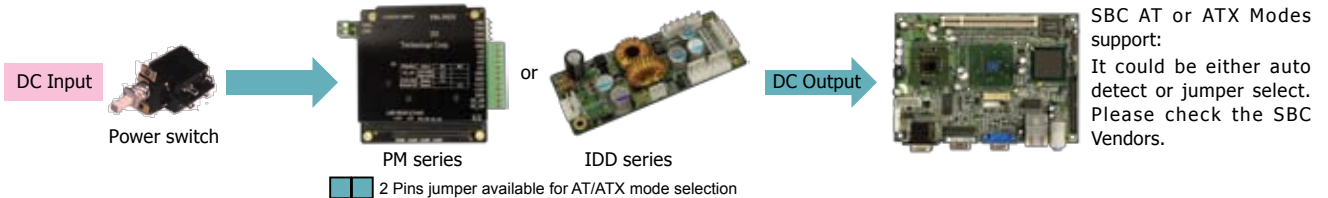
## How to Configure the IDD & PM Series

### AT Mode

1. Power supply without any control signal
2. Power is controlled directly by the power supply's on/off switch.

#### Installation

**Step 1.** Set the jumper on the power modules & SBC to AT mode (if there is any)



**Step 2.** Connect all input & output power cables

**Step 3.** Wire/Isolate DC input by power switch

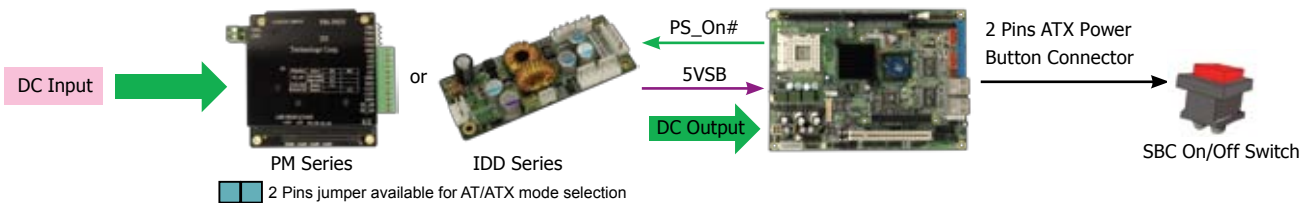
**Step 4.** Power up by switch

### AT Mode (Supports normal Windows® OS power down)

1. Required 5VSB (5V standby power) provide to SBC.
2. Power Supply On/Off control by "PS\_On#" signal.
3. PS\_On# is an active low signal that turns on all power rails.

#### Installation

**Step 1.** Set the jumper on the power modules & SBC to ATX mode (if there is any)



**Step 2.** Wiring 5VSB & PS\_ON# from power module to SBC

**Step 3.** Wiring all input, output power cables

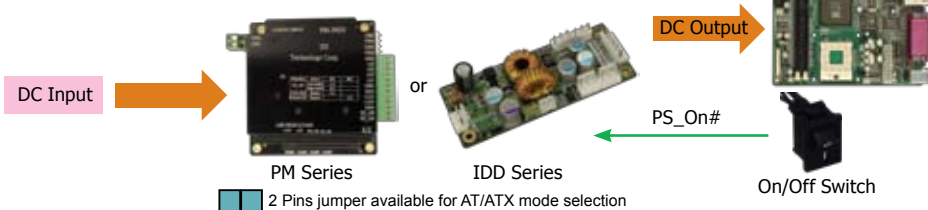
**Step 4.** Power up system by SBC On/Off switch

### Simulated AT Mode

1. The 5 Volt standby power is not provided to the SBC.
2. Power supply power is controlled by the "PS\_On#" signal.
3. The power switch is connected to the power supply.

#### Installation

**Step 1.** Set the jumper on the power modules to ATX mode and SBC to AT mode (if there is any)



**Step 2.** Connect 5 VSB & PS\_ON# from the power module to the SBC.

**Step 3.** Connect all input and output power cables.

**Step 4.** Power up the system using the power switch connected to the SBC.

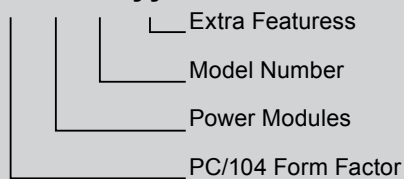
# Industrial Power Supply

## IDD & PM Series

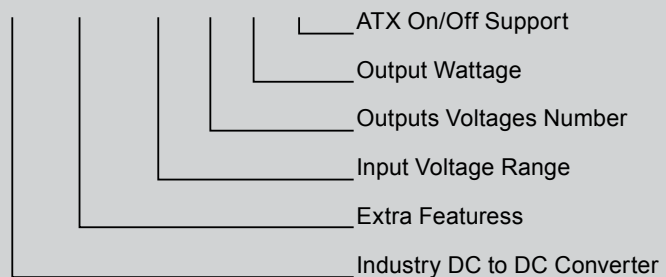
Model Name	Dimensions	Maximum Output Power	Input Voltage	Maximum Output Current						
				12V	5V	3.3V	-12V	5VSB	16V	20V
Anewtech PM-P001	3.775" x 3.55"	100 W	8 ~ 36 V	2.5 A	12 A	-	0.5 A	1 A	-	-
Anewtech PM-P002	3.775" x 3.55"	100 W	8 ~ 36 V	5 A	8 A	-	-	-	-	-
Anewtech PM-P003	3.775" x 3.55"	65 W	8 ~ 36 V	5 A	13 A	-	-	-	-	-
Anewtech PM-P004	3.775" x 3.55"	40 W	8 ~ 36 V	2.5 A	8 A	7 A	0.5 A	1 A	-	-
Anewtech PM-P005	3.775" x 3.55"	60 W	8 ~ 36 V	5 A	12 A	10 A	-	1 A	-	-
ANewtech PM-P006UPS	3.775" x 3.55"	65 W	6 ~ 36 V	4 A	10 A	8 A	-	1 A	-	-
Anewtech IDD-936160	25 mm x 82 mm	60 W	9 ~ 36 V	5 A	-	-	-	-	-	-
Anewtech IDD-936260A	40 mm x 100 mm	60 W	9 ~ 36 V	3 A	10 A	-	-	0.5 A	-	-
Anewtech IDD-12250A	40 mm x 100 mm	50 W + 60 W	12 V	5 A	10 A	-	-	0.5 A	-	-
Anewtech IDD-12490A	45 mm x 160 mm	90 W + 120 W	12 V	10 A	10 A	8 A	0.3 A	2 A	-	-
Anewtech IDD-9364120A	45 mm x 160 mm	120 W	9 ~ 36 V	4 A	10 A	8 A	0.3 A	2 A	-	-
Anewtech IDDV-6304140A	45 mm x 160 mm	140 W	6 ~ 30 V	4 A	10 A	10 A	0.15 A	1.5 A	-	-
Anewtech IDDUPS-6364120A	60 mm x 160 mm	120 W	6 ~ 36 V	4 A	10 A	8 A	0.3 A	2 A	-	-
Anewtech IDDUPS-636260A	60 mm x 160 mm	60 W	6 ~ 36 V	3 A	10 A	-	-	0.5 A	-	-
Anewtech IDDUPS-1228180	40 mm x 100 mm	80 W	12 ~ 28 V	-	-	-	-	-	-	4 A
Anewtech IDD-930160-KIT	42 mm x 103 mm x 31 mm	60 W	9 ~ 30 V	5 A	-	-	-	-	-	-

### Naming Conventions:

#### PM-P xxx yy



#### IDD xx - 630 4 120 A



### Output Power Calculation

$$P \text{ (Wattage)} = V \text{ (Voltage)} \times I \text{ (Current)}$$

Pt = Total Output Power

I1 = Current of Output Voltage 1

In = Current of Output Voltagen

V1 = Output Voltage1

Vn = Output Voltagen

$$Pt = V1 \times I1 + V2 \times I2 + \dots + Vn \times In$$

Pt must be less than max. output power and individual output current must not exceed max. output current.

- 1 Industrial Computer
- 2 Compact PCI
- 3 Embedded Computer
- 4 Panel PC/ LCD Monitor
- 5 Human Machine Interface
- 6 Digital Advertising
- 7 Serial & Wireless Connectivity
- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

# Industrial Power Supply

## PS/2 Type Series

**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 Name	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	+24 V
	Anewtech ACE-4860AP	600 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	24 A	30 A	V1: 12 A (1 A min) V2: 12 A (1 A min) V3: 18 A (0.5A min) V4: 18 A		1 A	3 A	
	Anewtech ACE-850AP	500 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	27 A (0.4 A min)	29 A (3 A min)	V1: 18 A (1 A min) V2: 18 A (1 A min)	0.3 A	0.8 A	2 A	
	<b>Medical</b> Anewtech ACE-4840APM	400 W	ATX	Active	90 ~ 265 VAC	47 ~ 63 HZ	30 A (0.5 A min)	30A (0.3 A min)	V1: 17 A (1 A min) V2: 17 A (1 A min)	0.3 A	0.8 A	2 A	
	Anewtech ACE-841AP-S	400 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	28 A (0.2 A min)	33 A (4 A min)	20 A (0.5 A min)	0.5 A	1 A	2 A	
	Anewtech ACE-840A	400 W	ATX	-	95 ~ 132 VAC 180 ~ 264 VAC	47 ~ 63 HZ	28 A (0.2 A min)	40 A (2 A min)	15 A (0.2 A min)	0.3 A	0.8 A	2 A	
	Anewtech ACE-832A	300 W	ATX	-	95 ~ 132 VAC 180 ~ 264 VAC	47 ~ 63 HZ	28 A (0.3 A min)	30 A (0.1 A min)	15 A	0.3 A	0.8 A	2 A	
	Anewtech ACE-832AP	300 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	28 A (0.3 A min)	30 A (0.1 A min)	15 A	0.3 A	0.8 A	2 A	
	Anewtech ACE-832AP-S	300 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	28 A (0.3 A min)	30 A (0.1 A min)	15 A	0.3 A	0.8 A	2 A	
	Anewtech ACE-828A	280 W	ATX	-	90 ~ 130 VAC 180 ~ 260 VAC	47 ~ 63 HZ	8 A	25 A (2 A min)	10 A (0.1 A min)	0.5 A	0.5 A	0.72 A	
	<b>Medical</b> Anewtech ACE-828M	280 W	ATX	-	90 ~ 130 VAC 180 ~ 260 VAC	47 ~ 63 HZ	8 A	25 A (2 A min)	10 A (0.1 A min)	0.5 A	0.5 A	0.72 A	
	Anewtech ACE-T140A	400 W	AT	Active	95 ~ 264 VAC	47 ~ 63 HZ		42 A (2 A min)	15 A (1 A min)	0.3 A	0.8 A		
	Anewtech ACE-935AL	300 W	AT	-	85 ~ 140 VAC 170 ~ 270 VAC	47 ~ 440 HZ		40 A (3 A min)	8 A (0.1 A min)	0.3 A	0.7 A		
	Anewtech ACE-932A	300 W	AT	-	85 ~ 130 VAC 180 ~ 265 VAC	47 ~ 63 HZ		33 A (3 A min)	8 A (0.1 A min)	0.5 A	3 A		
	Anewtech ACE-925AP-U	250 W	AT	Active	90 ~ 265 VAC	47 ~ 63 HZ		22 A (1 A min)	11 A (1 A min)	0.5 A	0.7 A		

# Industrial Power Supply

## PS/2 Type Series

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

AC Input													
Efficiency	Temperature		Safety						EMC			Dimensions	Product
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC		
70%	0°C ~ 50°C	-40°C ~ 70°C	V	V		V			V	V	V	PS/2	
63%	0°C ~ 50°C	-20°C ~ 80°C	V	V	V	V	V	NEMKO		V	V	PS/2	
68%	0°C ~ 50°C	-20°C ~ 80°C	V	V				VDE				PS/2	
70%	0°C ~ 50°C	-20°C ~ 80°C	V	V		V	V			V		PS/2	
65%	0°C ~ 50°C	-20°C ~ 65°C		V					V		V	PS/2	
65%	0°C ~ 50°C	-20°C ~ 65°C		V	V				V	V	V	PS/2	
65%	0°C ~ 50°C	-20°C ~ 80°C		V	V	V	V		V	V	V	PS/2	
65%	0°C ~ 50°C	-20°C ~ 80°C		V	V	V	V		V		V	PS/2	
65%	-20°C ~ 70°C	-40°C ~ 75°C			V	V				V		PS/2	
65%	-20°C ~ 70°C	-40°C ~ 75°C		M		M				M		PS/2	
75%	0°C ~ 50°C	-20°C ~ 80°C	V	V		V	V			V	V	PS/2	
68%	0°C ~ 50°C	-40°C ~ 75°C		V						V		PS/2	
68%	-20°C ~ 70°C	-40°C ~ 75°C		V	V							PS/2	
70%	0°C ~ 50°C	-25°C ~ 70°C	V	V		V	V			V		PS/2	

- 1 Industrial Computer
- 2 Compact PCI
- 3 Embedded Computer
- 4 Panel PC/ LCD Monitor
- 5 Human Machine Interface
- 6 Digital Advertising
- 7 Serial & Wireless Connectivity
- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

# Industrial Power Supply

## PS/2 Type Series

**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	+24 V
	Anewtech ACE-925A	200 W	AT		85 ~ 265 VAC	47 ~ 63 HZ		22 A (1 A min)	7 A (0.1 A min)	0.5 A	0.7 A		
	Anewtech ACE-925AP	200 W	AT	Active	85 ~ 265 VAC	47 ~ 63 HZ		22 A (1 A min)	7 A (0.1 A min)	0.5 A	0.7 A		
	<b>Medical</b> Anewtech ACE-925M	200 W	AT	-	90 ~ 264 VAC	47 ~ 63 HZ		22 A (4 A min)	7 A (1 A min)	0.5 A	0.5 A		
	Anewtech ACE-920A	150 W	AT	-	85 ~ 265 VAC	47 ~ 63 HZ		20 A (1 A min)	4 A (0.1 A min)	0.5 A	0.5 A		







DC 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	+24 V
	Anewtech ACE-828V	250 W	ATX	-	12 VDC (9 ~ 16 VDC)	-	8 A	25 A (2 A min)	8 A (0.1 A min)	0.5 A	1 A	0.72 A	
	Anewtech ACE-828C	250 W	ATX	-	24 VDC (18 ~ 32 VDC)	-	8 A	25 A (2 A min)	7 A (0.1 A min)	0.5 A	1 A	0.72 A	
	Anewtech ACE-828T	250 W	ATX	-	-48 VDC (-40 ~ -72 VDC)	-	8 A	25 A (2 A min)	7 A (0.1 A min)	0.5 A	1 A	0.72 A	
	Anewtech ACE-925C	220 W	AT	-	24 VDC (19 ~ 30 VDC)	-		25 A (4 A min)	6 A	1 A	2 A		
	Anewtech ACE-932T	300 W	AT	-	-48 VDC (-40 ~ -70 VDC)	-		33 A (1 A min)	8 A	0.5 A	3 A		
	Anewtech ACE-925P	250 W	AT	-	110 VDC (100 ~ 120 VDC)	-		25 A (1 A min)	10 A	1 A	1 A		

# Industrial Power Supply

## PS/2 Type Series

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

AC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Product	
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
68%	0°C ~ 50°C	-40°C ~ 75°C		V							V		PS/2	
68%	0°C ~ 50°C	-40°C ~ 75°C	V	V		V					V		PS/2	
65%	0°C ~ 70°C	-40°C ~ 75°C		M		M					M		PS/2	
68%	0°C ~ 50°C	-40°C ~ 75°C		V							V		PS/2	

DC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Product	
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
65%	0°C ~ 70°C	-40°C ~ 75°C											PS/2	
65%	0°C ~ 50°C	-40°C ~ 75°C	V		V	V					V		PS/2	
65%	0°C ~ 50°C	-40°C ~ 75°C			V	V					V		PS/2	
65%	0°C ~ 50°C	-40°C ~ 75°C		V		V					V		PS/2	
70%	-20°C ~ 70°C	-40°C ~ 75°C		V	V	V					V		PS/2	
70%	0°C ~ 50°C	-40°C ~ 75°C											PS/2	

- 1 Industrial Computer
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- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

# Industrial Power Supply

## 1U/ 2U Type Series

**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

1U AC Input													
Products	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	+24 V
	Anewtech ACE-A627A	270 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	16 A (0.5A min)	18A (0.5A min)	V1:16 A (1A) V2:10A (1A)		0.8A	2.5A	
	Anewtech ACE-4525AP	250 W	ATX	Active	90 ~ 265 VAC	47 ~ 63 HZ	16 A (0.5A min)	16 A (0.5A min)	V1:16 A(0.5A min) V2:16 A(0.5A min)		0.5 A	2.5 A (0.1 A min)	
	Anewtech ACE-A622A	220 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	14 A (0.5 A min)	16 A (0.5A min)	V1:16 A (1A) V2:10 A (1A)		0.8 A	2.5 A	
	<b>Medical</b> Anewtech ACE-720APM	200 W	ATX	Active	85 ~ 264 VAC	47 ~ 63 HZ		20 A (2A min)	9 A		0.5 A	0.5 A	
	Anewtech ACE-A618A	180 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	14 A (0.3 A min)	16 A (0.3 A min)	14 A (1.5 A min)		0.5 A	2 A	
	<b>Medical</b> Anewtech ACE-818APM	180 W	ATX	Active	90 ~ 265 VAC	47 ~ 63 HZ	16.8 A (0.3 A min)	12 A (0.5 A min)	12 A (1.5A min)		0.8 A	2 A	
	Anewtech ACE-A615A	150 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	10 A (0.3 A min)	13 A (0.3A min)	10A (1A min)		0.5 A	2 A	
	Anewtech ACE-4518AP	180 W	ATX	Active	90 ~ 265 VAC	47 ~ 63 HZ	16.8 A (0.3 A min)	12 A (0.3 A min)	10 A (1.5 A min)		0.8 A	2 A	
	Anewtech ACE-816A	150 W	ATX	-	95 ~ 132 VAC 180 ~ 264 VAC	47 ~ 63 HZ	16 A (0.2 A min)	15 A (1 A min)	12 A (0.2A min)		0.3 A	2 A	
	Anewtech ACE-916A	150 W	AT	-	90 ~ 132 VAC 180 ~ 264 VAC	47 ~ 63 HZ		15 A (1 A min)	10 A (0.2A min)		0.3 A		
	Anewtech ACE-916AP	150 W	AT	Active	90 ~ 264 VAC	47 ~ 63 HZ		16 A (1 A min)	6 A (0.5 A min)		0.3 A		
	Anewtech ACE-716AP-U	150 W	AT	Active	90 ~ 264 VAC	47 ~ 63 HZ		18 A (2 A min)	4 A (0.5 A min)	0.5 A	1 A		
	Anewtech ACE-716A	150 W	AT	-	85 ~ 135 VAC 180 ~ 265 VAC	47 ~ 440 HZ		18 A (1 A min)	4 A	0.5 A	1 A		
	Anewtech ACE-716AP	150 W	AT	Active	85 ~ 265 VAC	47 ~ 440 HZ		18 A (1 A min)	4 A	0.5 A	1 A		
	Anewtech ACE-540A	40 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ							1.7 A

# Industrial Power Supply

## 1U/ 2U Type Series

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

1U AC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Products	
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
80 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	150 x 81 x 40 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V			V	V	V	190 x 100 x 40.5 (mm)	
80 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	150 x 81 x 40 (mm)	
82 %	0 °C ~ 70 °C	-20 °C ~ 85 °C	VM	VM		M	V				V		198 x 97 x 40.5 (mm)	
68 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	150 x 81 x 40 (mm)	
68 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	VM	VM			V	VDE	V	VM	VM		190 x 81.5 x 40.5 (mm)	
68 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	150 x 81 x 40 (mm)	
68 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V				V	V	150 x 81.5 x 40.5 (mm)	
72 %	0 °C ~ 50 °C	-20 °C ~ 80 °C		V	V							V	150 x 81.5 x 40.5 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 80 °C		V	V								150 x 81.5 x 40.5 (mm)	
68 %	0 °C ~ 35 °C	-20 °C ~ 80 °C	V	V	V	V	V	NEMKO	V	V	V	V	150 x 81.5 x 40.5 (mm)	
75 %	0 °C ~ 70 °C	-30 °C ~ 70 °C	V	V		V	V				V	V	198 x 97 x 40.5 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V									198 x 97 x 40.5 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V		V					V		198 x 97 x 40.5 (mm)	
70 %	-20 °C ~ 70 °C	-40 °C ~ 85 °C											161 x 100 x 40 (mm)	

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## 1U/ 2U Type Series

**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*

1U DC Input													
Products	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	+24V
	Anewtech ACE-715VX	157 W	ATX	-	12 VDC (9 ~ 18 VDC)	-	6 A	8 A (1A min)	7 A (1A min)		0.5 A	1 A	
	Anewtech ACE-830CU1	300 W	ATX	-	24 VDC (19 ~ 36 VDC)	-	20 A	25 A (3A min)	22 A (1A min)	0.8 A	1 A	1.5 A	
	Anewtech ACE-4520C	200 W	ATX	-	-24 VDC (18 ~ 36 VDC)	-	12 A	12 A (1A min)	15.4 A (0.5A min)		0.5 A	2 A	
	Anewtech ACE-717CX	170 W	ATX	-	24 VDC (19 ~ 32 VDC)	-	6 A	8 A (1A min)	8 A (1A min)		0.5 A	1 A	
	Anewtech ACE-815C	100 W	ATX	-	24 VDC (18 ~ 32 VDC)	-	4 A	13 A	2.5 A		0.3 A	1.5 A	
	Anewtech ACE-815T	150 W	ATX	-	48 VDC (36 ~ 72 VDC)	-	10 A	14 A	4.2 A	0.3 A	0.3 A	2 A	
	Anewtech ACE-716C	150 W	AT	-	24 VDC (19 ~ 30 VDC)	-		18 A (2A min)	4 A	0.5 A	1 A		
2U AC Input													
	Anewtech ACE-4535AP	350 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	5 A (0.3 A min)	8 A (1 A min)	12 A (0.5 A min)		0.5 A	2 A	6 A
	Anewtech ACE-4530AP	300 W	ATX	Active	90 ~ 264 VAC	47 ~ 63 HZ	20 A (1 A min)	35 A (3 A min)	16 A (2 A min)	0.5 A (0.05 A min)	1 A (0.05 A min)	2 A (0.1 A min)	
	Anewtech ACE-728APM	280 W	ATX	Active	85 ~ 264 VAC	47 ~ 63 HZ		28 A (2 A min)	10 A (0.5 A min)		1 A	1 A	
	Anewtech ACE-D825A	252 W	AT	Active	90 ~ 264 VAC	47 ~ 63 HZ			15 A (0.1 A min)				8 A
	Anewtech ACE-723A	200 W	AT	-	85 ~ 135 VAC 180 ~ 265 VAC	47 ~ 440 HZ		22 A (3 A min)	6 A	1 A	1 A		
	Anewtech ACE-723B	200 W	AT	-	85 ~ 135 VAC 180 ~ 265 VAC	47 ~ 440 HZ		21 A (3 A min)	5 A		1 A		1 A
2U DC Input													
	Anewtech ACE-818C (non-RoHS)	140 W	ATX	-	24 VDC (18 ~ 32 VDC)	-	16 A (0.5 A)	4 A (0.2 A)		0.5 A	1 A		
	Anewtech ACE-723C	200 W	AT	-	24 VDC (19 ~ 30 VDC)	-		22 A (3 A min)	6 A	1 A	1 A		
	Anewtech ACE-723T	200 W	AT	-	-48 VDC (-36 ~ -72 VDC)	-		22 A (3 A min)	6 A	1 A	1 A		

# Industrial Power Supply

## 1U/ 2U Type Series

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

1U DC Input													
Efficiency	Temperature		Safety						EMC			Dimensions	Product
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC		
70 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	V	V		V	V			V		198 x 97 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V			V		220 x 100 x 40.5 (mm)	
78 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V	NEMKO		V	V	150 x 81.5 x 40.5 (mm)	
75 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	V	V		V	V			V		198 x 97 x 39 (mm)	
65 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V	V	V		NEMKO	V	V	V	150 x 81.5 x 40.5 (mm)	
65 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V	V	V		NEMKO	V	V	V	150 x 81.5 x 40.5 (mm)	
70 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V		V				V		198 x 97 x 40.5 (mm)	
2U AC Input													
75 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V			V	V	240 x 100 x 70 (mm)	
63 %	0 °C ~ 50 °C	-20 °C ~ 80 °C		V		V	V			V		200 x 100 x 70 (mm)	
82 %	0 °C ~ 70 °C	-20 °C ~ 85 °C	VM	VM		VM	V			V		203 x 112 x 51 (mm)	
80 %	0 °C ~ 50 °C	-20 °C ~ 80 °C	V	V		V	V			V	V	140 x 150 x 86 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V								203 x 112 x 51 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V								203 x 112 x 51 (mm)	
2U DC Input													
70 %	-20 °C ~ 50 °C	-20 °C ~ 85 °C	V	V			V			V		198 x 97 x 52 (mm)	
70 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V						V		203 x 112 x 51 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C		V						V		203 x 112 x 51 (mm)	

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- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

# Industrial Power Supply

## Open Frame Series

**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>Medical</b> Anewtech ACE-713APM	130 W	ATX	Active	85 ~ 264 VAC	47 ~ 63 HZ		10 A (0.2 A min)	6 A		0.5 A	0.5 A
	<b>Medical</b> Anewtech ACE-710APM	100 W	ATX	Active	85 ~ 264 VAC	47 ~ 63 HZ		10 A (0.2 A min)	3.5 A		0.3 A	0.5 A
	Anewtech ACE-A406A	60 W	ATX	-	90~264 VAC	47~63 Hz		42 A (2 A min)	15 A (1 A min)	0.3 A	0.8 A	
	Anewtech ACE-903A (non-RoHS)	30 W	ATX	-	90 ~ 264 VAC	47 ~ 63 HZ		6 A				0.3 A
	Anewtech ACE-890A	86 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ		10 A	2.5 A		0.5 A	
	Anewtech ACE-890AP-R20	86 W	AT	Active	90 ~ 264 VAC	47 ~ 63 HZ		10A (3 A min)	2.5 A (0.25 A min)		0.5 A	
	Anewtech ACE-870A	70 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ		7 A	2.5 A	0.3 A	0.3A	
	Anewtech ACE-870AP	70 W	AT	Active	85 ~ 264 VAC	47 ~ 63 HZ		7 A	2.5 A	0.3 A	0.3 A	
	Anewtech ACE-855A	55 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ		8 A	1.2 A			
	<b>Medical</b> Anewtech ACE-706AM	60 W	AT	-	90 ~ 264 VAC	47 ~ 63 HZ		3 A	3 A		0.3 A	
	Anewtech ACE-663A	60 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ		6 A	2 A			
	<b>Medical</b> Anewtech ACE-704AM	45 W	AT	-	90 ~ 264 VAC	47 ~ 63 HZ		3 A	2 A		0.3 A	
	Anewtech ACE-643A	40 W	AT	-	85 ~ 264 VAC	47 ~ 63 HZ		4A	1.5 A			

# Industrial Power Supply

## Open Frame Series

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

AC Input													
Efficiency	Temperature		Safety						EMC			Dimensions	Product
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC		
80 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	VM	VM		VM	V			V		152.4 x 89 x 39 (mm)	
80 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	VM	VM		VM	VM			VM		127 x 81 x 50 (mm)	
75 %	0 °C ~ 50 °C	-30 °C ~ 70 °C	V	V		V	V			V		76 x 90 x 32 (mm)	
70 %	0 °C ~ 50 °C	-40 °C ~ 80 °C										70 x 33 x 110 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C			V					V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-30 °C ~ 70 °C	V	V		V	V		V	V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V								127 x 81 x 50 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V		V	V			V		127 x 81 x 50 (mm)	
70 %	0 °C ~ 60 °C	-20 °C ~ 85 °C		V						V		177.5 x 50.5 x 37 (mm)	
82 %	0 °C ~ 70 °C	-40 °C ~ 75 °C	VM	V		VM	V			V		63.5 x 114.3 x 32.4 (mm)	
81 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	VM	V		V	V			V		95 x 100 x 36 (mm)	
80 %	0 °C ~ 70 °C	-40 °C ~ 75 °C	V	V		VM	V			V		50.8 x 101.6 x 30.4 (mm)	
81 %	-20 °C ~ 70 °C	-40 °C ~ 75 °C	V	V		V	V			V		82 x 99 x 36 (mm)	

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- 15 Accessories

# Industrial Power Supply

## Open Frame Series

**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*

DC Input													
Products	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	+24 V
	Anewtech ACE-709VX	80 W	ATX	-	12 VDC (9 ~ 16 VDC)	-		8 A	2.5 A		0.5 A	0.5 A	
	Anewtech ACE-709CX	90 W	ATX	-	24 VDC (18 ~ 32 VDC)	-		10 A	2.5 A		0.5 A	0.5 A	
	Anewtech ACE-709TX	90 W	ATX	-	48 VDC (36 ~ 72 VDC)	-		10 A	2.5 A		0.5 A	0.5 A	
	Anewtech ACE-890P	86 W	AT	-	110 VDC (70 ~ 132 VDC)	-		10 A	2.5 A		0.5 A		
	Anewtech ACE-890V	72 W	AT	-	12 VDC (9 ~ 16 VDC)	-		9 A	2 A		0.3 A		
	Anewtech ACE-865V	60 W	AT	-	12 VDC (8 ~ 16 VDC)	-		6 A	2 A	0.3 A	0.5 A		
	Anewtech ACE-845V	42 W	AT	-	12 VDC (9.5 ~ 18 VDC)	-		6 A	1.1 A				
	Anewtech ACE-890C	86 W	AT	-	24 VDC (18 ~ 36 VDC)	-		10 A	2.5 A		0.5 A		
	Anewtech ACE-870C	70 W	AT	-	24 VDC (18 ~ 36 VDC)	-		7 A	2.5 A	0.3 A	0.5 A		
	Anewtech ACE-855C	55 W	AT	-	24 VDC (16 ~ 32 VDC)	-		8 A	1.2 A				
	Anewtech ACE-890T	86 W	AT	-	48 VDC (36 ~ 72 VDC)	-		10 A	2.5 A		0.5 A		
	Anewtech ACE-870T	70 W	AT	-	48 VDC (36 ~ 72 VDC)	-		7 A	2.5 A	0.3 A	0.5 A		

# Industrial Power Supply

## Open Frame Series

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

DC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Product	
	Operating	Storage	CB	UL	CSA	TUV	CCC	other	BSMI	CE	FCC			
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C	V	V		V	V				V		152.4 x 89 x 39 (mm)	
75 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C	V	V		V	V				V		152.4 x 89 x 39 (mm)	
70 %	-20 °C ~ 70 °C	-20 °C ~ 85 °C	V	V		V	V				V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V	V	V					V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V	V	V					V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C									V		127 x 81 x 50 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V							V		177.5 x 50.5 x 37 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V	V	V					V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V		V					V		127 x 81 x 50 (mm)	
70 %	0 °C ~ 60 °C	-20 °C ~ 85 °C		V							V		177.5 x 50.5 x 37 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V	V	V					V		152.4 x 89 x 39 (mm)	
70 %	0 °C ~ 50 °C	-20 °C ~ 85 °C		V		V					V		127 x 81 x 50 (mm)	

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# Industrial Power Supply

## Redundant Type Series

**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	+24 V
	Anewtech ACE-R4140AP	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)	
	Anewtech ACE-R4130AP	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)	
	Anewtech ACE-C232	230 W	AT	-	90 ~ 130 VAC 180 ~ 260 VAC	47 ~ 63 Hz		20 A (4 A min)	10 A (1 A min)		0.5 A (0.1A min)	0.5 A (0.1A min)	




## Adapter Type Series

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
	Anewtech FSP120AAB	120 W	-	90 ~ 264 VAC	47 Hz~ 63 Hz							6.32A
	Anewtech FSP0601AD101C	60 W	-	90 ~ 264 VAC	47 Hz~ 63Hz			5 A				
	Anewtech UP0451E12PL	45 W	-	90 ~ 264 VAC	47 Hz~ 63 Hz			3.75 A				
	UP0251E12PL	25 W	-	90 ~ 264 VAC	47 Hz~ 63 Hz			2.1 A				





# Industrial Power Supply

## Redundant Type Series

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

AC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Product	
	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)	
70 %	0 °C ~ 50 °C	-40 °C ~ 75 °C			V								140 x 150 x 86 (mm)	

## Adapter Type Series

AC Input														
Efficiency	Temperature		Safety						EMC			Dimensions	Product	
	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)	
80 %	0 °C ~ 40 °C	-20 °C ~ 65 °C	V	V			V		V	V			110 x 62 x 31 (mm)	
75 %	0 °C ~ 40 °C	-25 °C ~ 65 °C	V	V		V	V			V			120 x 60 x 36 (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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# Industrial Power Supply

## Optional Power Supply Cable

CB-643EC-RS



CB-643EB-RS



CB-643BP-RS



CB-643P8P9



CB-704EC-RS



CB-704EB-RS



CB-870BP-RS



CB-890P8P9



CB-855EC-RS



CB-709EB-RS



CB-855BP-RS



CB-704P8P9



CB-870EC-RS



CB-710EB-RS



CB-710BP-RS



CB-716P8P9



CB-ATXP8P9-RS



CB-870EB-RS



CB-709BP-RS



CB-855P8P9



CB-716EB-RS



CB-704BP-RS



CB-870P8P9



CB-855EB-RS



CB-890BP-RS



CB-716BP-RS

