



ARCH Website

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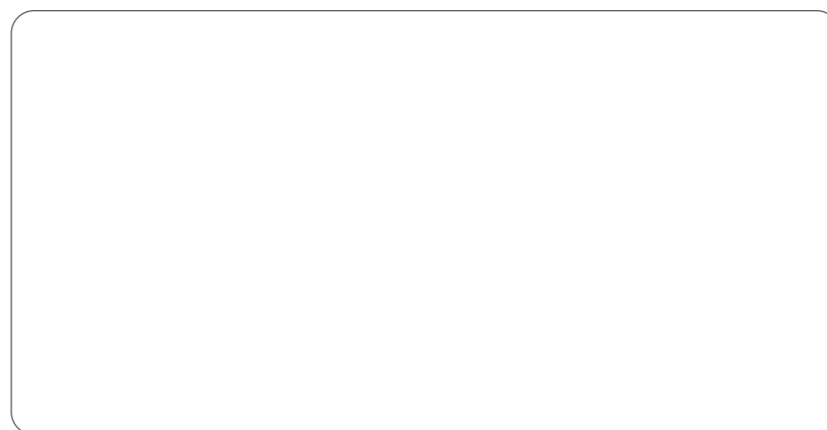
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9001:2015  
14001:2015  
13485:2016



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Issued Date: Oct., 2024 (Ver. 22)

# SELECTION GUIDE

- ◆ AC-DC Power Module
- ◆ AC-DC Switching Power Supply

**ARCH**  
ELECTRONICS CORP.  
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## About ARCH

ARCH Electronics Co., Ltd., established in 1986, specializes in the R&D, design, and manufacturing of AC/DC power modules and switching power supplies. With 40 years of expertise, Arch serves customers across Europe, America, and the Asia-Pacific region, offering innovative products known for their compact size, high power density, excellent thermal management, and high efficiency.

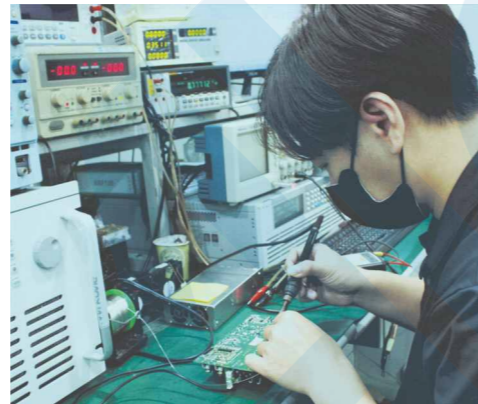
Our AC-DC power modules range from 2W to 150W, and our switching power supplies range from 60W to 1300W, covering sectors such as industrial automation, smart home, medical, communication, and information technology. All ARCH products are manufactured in Taiwan, ensuring flexibility with small-volume, high-mix production and customized solutions to meet the growing market demands.

## Offering Value-Adding Modification Service

ARCH offers a wide portfolio of quality products. However, even our diversified product range is not enough to satisfy the needs of each customer.

Owning an enthusiastic and highly knowledgeable R&D team unequalled in the industry, we can offer the service of value-adding modifications to our existing products to meet the individual needs for various applications.

Benefits of value-adding modifications include reasonable cost-effective NRE charge (relatively low compared to total customization), price stability, quick to market, and unique industry offerings!



# ADVANTAGES

**1** Rugged Design



Small Size



Fan-less Design



Semi-Potted Design



I/O Isolation up to 4300VAC Design

**2** Wide Operating Range



Wide Input Voltage Range



Wide Temperature

**3** Power Protection



O.V.P. Auto Recovery



O.T.P. Auto Recovery



O.C.P. Auto Recovery



S.C.P. Auto Recovery

**4** ITE OVC III / IV



ITE OVC III



ITE OVC IV

# New Products

20W AC-DC ITE Power Module

**ARCF20**



Size (L x W x H)

74.2 x 47.0 x 23.1 mm

Features

- Universal Input Range 85-530VAC
- Wide Operating Temp.: -40°C~+90°C
- I/O Isolation 4300VAC
- Over-Voltage Category OVC III
- No-Load Power Consumption < 0.3W
- Isolation Class II
- Safety Approval to UL / IEC 62368-1
- 3-Year Product Warranty



40W AC-DC ITE Power Module

**ATCW40**



Size (L x W x H)

64.1 x 45.6 x 23.5 mm

Features

- Universal Input Range 90-330VAC
- I/O Isolation 5700VAC
- Over-Voltage Category OVC IV
- No-Load Power Consumption < 0.1W
- High Efficiency up to 89%
- Isolation Class II
- Safety Approval to UL / IEC / EN 62368-1
- 3-Year Product Warranty



40W/65W/80W AC-DC ITE Switching PSU

**AQF40/65/80**



Size (L x W x H)

AQF40: 76.2 x 38.1 x 22.0 mm  
AQF65: 76.2 x 50.8 x 22.0 mm  
AQF80: 76.2 x 50.8 x 24.0 mm

Features

- Open Frame ITE Switching Power Supply
- No Load Power Consumption < 0.1W
- High Efficiency up to 90%
- I/O Isolation 3000VAC
- Safety Approval to UL / IEC / EN 62368-1
- 3-Year Product Warranty



240W AC-DC ITE Switching PSU

**AQF240E-12S24S**



Size (L x W x H)

150.0 x 106.0 x 39.0 mm

Features

- Enclosed ITE Switching Power Supply
- Dual Output
- With P.F.C. Function, PF>0.9
- High Efficiency up to 90%
- I/O Isolation 4000VAC
- Safety Approval to UL / IEC / EN 62368-1
- 3-Year Product Warranty



1000W AC-DC ITE Switching PSU

**AQF1000C**



Size (L x W x H)

193.0 x 102.0 x 41.0 mm

Features

- Enclosed ITE Switching Power Supply
- I/O Isolation 4300VAC
- Over-Voltage Category OVC III
- High Efficiency up to 92%
- Remote ON/OFF Function
- Current Share Function
- Safety Approval to UL / IEC / EN 62368-1
- 3-Year Product Warranty



1300W AC-DC ITE Switching PSU

**ARF1300F**



Size (L x W x H)

219.5 x 109.0 x 43.0 mm

Features

- Enclosed ITE Switching Power Supply
- I/O Isolation 4000VAC
- High Efficiency up to 92%
- Active PFC Function
- Safety Approval to UL / IEC / EN 62368-1
- 3-Year Product Warranty



The pictures shown are for illustration purpose only. Actual product may vary.

# Product Selection Guide

## AC-DC ITE Power Module

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	Input Voltage (V.AC)	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
2	■ AYC	90~305	3.3, 5, 9, 12, 15, 24	3000	-40°C~80°C	33.7 x 22.2 x 17.0	CE, RoHS, CB	3Y
	■ AZC	90~305	3.3, 5, 9, 12, 15, 24	3000	-40°C~80°C	28.8 x 26.1 x 17.3	CE, RoHS, CB	3Y
3	■ AIC	90~264	3.3, 5, 9, 12, 15, 24	3000	-40°C~85°C	35.7 x 19.0 x 22.0	CE, RoHS	3Y
4	■ AOC	90~264	3.3, 5, 8, 9, 12, 14, 15, 24, 5/3.3, 8/5, 12/5	3000	-40°C~70°C	37.0 x 27.5 x 17.5	CE, RoHS, CB	3Y
	■ AOCH	90~305	3.3, 5, 8, 9, 12, 14, 15, 24, 5/3.3, 8/5, 12/5	3000	-40°C~70°C	37.0 x 27.5 x 17.5	CE, RoHS, CB	3Y
5	■ AHC	90~264	3.3, 5, 12, 15, 24	3000	-25°C~70°C	51.2 x 25.8 x 15.4	CE, RoHS, CB	3Y
	■ AHCH05	90~305	3.3, 5, 12, 24	4000	-40°C~85°C	51.8 x 26.4 x 16.5	CE, RoHS, CB	3Y
	■ AOCH05	90~305	3.3, 5, 12, 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5	CE, RoHS, CB	3Y
7	■ AUC	90~264	5, 12, 15, 24	3000	-40°C~70°C	27.4 x 27.4 x 18.7	CE, RoHS, CB	3Y
10	■ AHCH10	90~305	5, 12, 15, 24	4000	-40°C~85°C	52.2 x 26.8 x 19.0	CE, RoHS, CB	3Y
	■ AOCH10	90~305	5, 12, 15, 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0	CE, RoHS, CB	3Y
15	■ AVC	90~264	5, 12, 15, 24	4000	-40°C~70°C	41.2 x 27.2 x 19.1	CE, RoHS, CB	3Y
	■ APCN	90~264	5, 12, 15, 24	4000	-40°C~70°C	54.8 x 45.4 x 21.3	CE, RoHS, CB	3Y
	■ MFC15	90~264	5, 9, 12, 15, 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
20	■ AFC20N	90~264	3.3, 5, 12, 15, 24	3000	-40°C~70°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
	■ AFCV20	90~305	5, 12, 15, 24, 5/12, ±12, ±15	4300	-40°C~85°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
	■ AKC	90~264	3.3, 5, 7.35, 9, 12, 15, 24 ±5, ±12, ±15 5/±12, 5/±15	3000	-25°C~70°C	69.8 x 47.8 x 22.0	CE, RoHS, CB	3Y
	■ ARCF20	85~530	5, 12, 15, 24	4300	-40°C~90°C	74.2 x 47.0 x 23.1	CE, RoHS	3Y
	■ MZC20	90~264	12, 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
25	■ AFCH25	90~305	5.1, 12, 15, 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
30	■ ATC30	90~305	3.3, 5, 12, 15, 24	3000	-40°C~70°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
	■ ATCH30	90~305	5.1, 12, 15, 24	4000	-40°C~85°C	64.6 x 45.4 x 22.0	CE, RoHS, CB	3Y
	■ MTC30	90~264	5, 12, 15, 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
40	■ AJC	90~264	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15, 5/12, 5/24 5/±12, 5/±15	3000	-40°C~70°C	89.5 x 64.1 x 25.0	CE, RoHS, CB	3Y
	■ ATCV40	90~305	5, 12, 15, 24, 48	4300	-40°C~85°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
	■ ATCW40	90~330	5, 12, 15, 24, 48	5700	-40°C~70°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
50	■ ANC50	90~264	5, 12, 15, 24, 48	3000	-40°C~70°C	74.1 x 54.1 x 22.1	CE, RoHS, CB	3Y
	■ ANCH50	90~305	12, 15, 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y
60	■ ARC60	90~264	12, 15, 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y
	■ ARCV60	90~305	12, 15, 24	4300	-40°C~85°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y
	■ MSC60	90~264	5, 9, 12, 15, 24	4000	-40°C~80°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
100	■ AJCV100	90~264	12, 24, 48	4300	-40°C~85°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
150	■ AJCV150	90~264	12, 24, 48	4300	-40°C~85°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
	■ MQC150	90~264	12, 24, 48	4000	-30°C~70°C	109.0 x 58.5 x 35.0	CE, RoHS, CB	3Y



## AC-DC OVC III & IV Power Module

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	Input Voltage (V.AC)	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
20	■ AFCV20	90~305	5, 12, 15, 24, 5/12, ±12, ±15	4300	-40°C~85°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
	■ ARCF20	85~530	5, 12, 15, 24	4300	-40°C~90°C	74.2 x 47.0 x 23.1	CE, RoHS	3Y
40	■ ATCV40	90~305	5, 12, 15, 24, 48	4300	-40°C~85°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
	■ ATCW40	90~330	5, 12, 15, 24, 48	5700	-40°C~70°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
60	■ ARCV60	90~305	12, 15, 24	4300	-40°C~85°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y
100	■ AJCV100	90~264	12, 24, 48	4300	-40°C~85°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
150	■ AJCV150	90~264	12, 24, 48	4300	-40°C~85°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y

## AC-DC Household Power Module

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	Input Voltage (V.AC)	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
5	■ AOCH05	90~305	3.3, 5, 12, 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5	CE, RoHS, CB	3Y
10	■ AOCH10	90~305	5, 12, 15, 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0	CE, RoHS, CB	3Y
25	■ AFCH25	90~305	5.1, 12, 15, 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
30	■ ATCH30	90~305	5.1, 12, 15, 24	4000	-40°C~85°C	64.6 x 45.4 x 22.0	CE, RoHS, CB	3Y
50	■ ANCH50	90~305	12, 15, 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y
60	■ ARC60	90~264	12, 15, 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1	CE, RoHS, CB	3Y

## AC-DC Medical Power Module

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	Input Voltage (V.AC)	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
15	■ MFC15	90~264	5, 9, 12, 15, 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
	■ MTC	90~264	3.3, 5, 7.35, 9, 12, 15, 24 ±5, ±12, ±15 5/±12, 5/±15	4000	-25°C~70°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
20	■ MZC20	90~264	12, 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5	CE, RoHS, CB	3Y
30	■ MTC30	90~264	5, 12, 15, 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5	CE, RoHS, CB	3Y
40	■ MSC	90~264	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15, 5/12, 5/24 5/±12, 5/±15	4000	-25°C~70°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
60	■ MSC60	90~264	5, 9, 12, 15, 24	4000	-40°C~80°C	89.0 x 63.5 x 27.6	CE, RoHS, CB	3Y
100	■ MQCS100	90~264	12, 24, 48	4000	-30°C~70°C	83.8 x 58.4 x 35.0	CE, RoHS, CB	3Y
150	■ MQC150	90~264	12, 24, 48	4000	-30°C~70°C	109.0 x 58.5 x 35.0	CE, RoHS, CB	3Y

# Product Selection Guide

## AC-DC ITE Switching Power Supply

Input Voltage :90~264 VAC

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	PKG	Cooling Method	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
40	<b>AQF40</b>	O	☉	12, 24	3000	-40°C~80°C	76.2 x 38.1 x 22.0	CE, RoHS, CB	3Y
60	<b>SZA600</b>	O	☉	5, 12, 15, 24, 48	3000	-30°C~70°C	76.3 x 50.6 x 31.5	CE, RoHS, CB	3Y
	<b>SZA60U</b>	U	☉	5, 12, 15, 24, 48	3000	-30°C~70°C	80.0 x 59.7 x 38.0	CE, RoHS, CB	3Y
65	<b>AQF65</b>	O	☉	12, 24	3000	-40°C~80°C	76.2 x 50.8 x 22.0	CE, RoHS, CB	3Y
80	<b>AQF80</b>	O	☉	12, 24	3000	-40°C~80°C	76.2 x 50.8 x 24.0	CE, RoHS, CB	3Y
120 180	<b>AQF1200</b>	O	☉☉	5, 12, 15, 24, 48	4000	-25°C~70°C	127.0 x 76.2 x 29.5	CE, RoHS, CB	3Y
	<b>AQF120U</b>	U	☉☉	5, 12, 15, 24, 48	4000	-25°C~70°C	127.0 x 82.2 x 38.1	CE, RoHS, CB	3Y
	<b>AQF120E</b>	E	☉☉	5, 12, 15, 24, 48	4000	-25°C~70°C	127.0 x 82.2 x 38.1	CE, RoHS, CB	3Y
130	<b>ARF1300</b>	O	☉☉☉	12, 24, 48	4000	-30°C~70°C	91.2 x 54.6 x 34.6	CE, RoHS, CB	3Y
	<b>ARF130U</b>	U	☉☉☉	12, 24, 48	4000	-30°C~80°C	80.0 x 59.7 x 38.0	CE, RoHS, CB	3Y
	<b>ARF130E</b>	E	☉☉☉	12, 24, 48	4000	-30°C~80°C	80.0 x 59.7 x 43.2	CE, RoHS, CB	3Y
240	<b>AQF240U</b>	U	☉☉☉	12, 15, 24, 28, 32, 36, 48	4000	-10°C~70°C	150.0 x 106.0 x 35.0	CE, RoHS, CB	3Y
	<b>AQF240E</b>	E	☉☉☉	5, 12, 15, 24, 28, 32, 36, 48	4000	-10°C~70°C	150.0 x 106.0 x 35.0	CE, RoHS, CB	3Y
	<b>AQF240E-12S24S</b>		☉☉☉	12 / 24	4000	-10°C~70°C	150.0 x 106.0 x 39.0	CE, RoHS, CB	3Y
	<b>ARF2400</b>	O	☉☉☉	12, 24, 48	4000	-30°C~80°C	101.9 x 52.1 x 27.6	CE, RoHS, CB	3Y
	<b>ARF240U</b>	U	☉☉☉	12, 24, 48	4000	-30°C~80°C	104.0 x 62.5 x 39.2	CE, RoHS, CB	3Y
	<b>ARF240E</b>	E	☉☉☉	12, 24, 48	4000	-30°C~80°C	104.0 x 62.5 x 39.2	CE, RoHS, CB	3Y
	<b>MQF2400</b>	O	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	103.9 x 52.0 x 27.6	CE, RoHS, CB	3Y
	<b>MQF240U</b>	U	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	104.0 x 62.0 x 39.2	CE, RoHS, CB	3Y
500	<b>MQF240E</b>	E	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	104.0 x 62.0 x 50.5	CE, RoHS, CB	3Y
	<b>ARF500U</b>	U	☉☉☉	12, 24, 48	4000	-30°C~80°C	130.0 x 83.0 x 40.0	CE, RoHS, CB	3Y
	<b>ARF500E</b>	E	☉☉☉	12, 24, 48	4000	-30°C~70°C	130.0 x 83.0 x 62.3	CE, RoHS, CB	3Y
	<b>MQF5000</b>	O	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	127.8 x 76.2 x 35.0	CE, RoHS, CB	3Y
	<b>MQF500U</b>	U	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	139.7 x 82.6 x 40.6	CE, RoHS, CB	3Y
	<b>MQF500E</b>	E	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	139.7 x 82.6 x 61.4	CE, RoHS, CB	3Y
700	<b>AQF700</b>	E	☉☉☉	12, 15, 24, 28, 48	4000	-30°C~70°C	170.0 x 93.0 x 41.0	CE, RoHS, CB	3Y
	<b>AQF700C</b>	E	☉☉☉	12, 15, 24, 28, 48	4000	-30°C~70°C	170.0 x 93.0 x 41.0	CE, RoHS, CB	3Y
1000	<b>AQF1000</b>	E	☉☉☉	12, 24, 48	4300	-20°C~70°C	193.0 x 102.0 x 41.0	CE, RoHS, CB	3Y
	<b>AQF1000C</b>	E	☉☉☉	12, 24, 48	4300	-20°C~70°C	193.0 x 102.0 x 41.0	CE, RoHS, CB	3Y
1300	<b>ARF1300F</b>	E	☉☉☉	12, 24, 48	4000	-30°C~80°C	219.5 x 109.0 x 43.0	CE, RoHS, CB	3Y

PKG= Package Type: O= Open Frame, U= U Bracket, E= Enclosed

☉☉☉ = Conduction Cooled, ☉☉☉ = Convection Cooled(Free air convection), ☉☉☉ = Forced Air



## AC-DC OVC III Switching Power Supply

Input Voltage :90~264 VAC

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	PKG	Cooling Method	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
1000	<b>AQF1000</b>	E	☉☉☉	12, 24, 48	4300	-20°C~70°C	193.0 x 102.0 x 41.0	CE, RoHS, CB	3Y
	<b>AQF1000C</b>	E	☉☉☉	12, 24, 48	4300	-20°C~70°C	193.0 x 102.0 x 41.0	CE, RoHS, CB	3Y

PKG= Package Type: O= Open Frame, U= U Bracket, E= Enclosed

☉☉☉ = Conduction Cooled, ☉☉☉ = Convection Cooled, ☉☉☉ = Forced Air

## AC-DC Medical Switching Power Supply

Input Voltage :90~264 VAC

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

Power(W)	Series	PKG	Cooling Method	Output Voltage(V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions(mm)	Safety	WTY
120	<b>MQF1200</b>	O	☉☉☉	12, 24, 48	4000	-30°C~70°C	77.2 x 50.8 x 30.7	CE, RoHS, CB	3Y
	<b>MQF120U</b>	U	☉☉☉	12, 24, 48	4000	-30°C~70°C	80.0 x 59.7 x 38.0	CE, RoHS, CB	3Y
	<b>MQF120E</b>	E	☉☉☉	12, 24, 48	4000	-30°C~70°C	80.0 x 59.7 x 43.2	CE, RoHS, CB	3Y
240	<b>MQF2400</b>	O	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	103.9 x 52.0 x 27.6	CE, RoHS, CB	3Y
	<b>MQF240U</b>	U	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	104.0 x 62.0 x 39.2	CE, RoHS, CB	3Y
	<b>MQF240E</b>	E	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	104.0 x 62.0 x 50.5	CE, RoHS, CB	3Y
500	<b>MQF5000</b>	O	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	127.8 x 76.2 x 35.0	CE, RoHS, CB	3Y
	<b>MQF500U</b>	U	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	139.7 x 82.6 x 40.6	CE, RoHS, CB	3Y
	<b>MQF500E</b>	E	☉☉☉	12, 15, 24, 48	4000	-30°C~70°C	139.7 x 82.6 x 61.4	CE, RoHS, CB	3Y

PKG= Package Type: O= Open Frame, U= U Bracket, E= Enclosed

☉☉☉ = Conduction Cooled, ☉☉☉ = Convection Cooled(Free air convection), ☉☉☉ = Forced Air

# Product Features and Applications



## AC-DC Power Module

Power(W)	Series	Page	1. Rugged Design		2. Wide Operating Temp.	
			Small Size Design	I/O Isolation up to 4300VAC Design	Wide Input Voltage Range	Wide Temp.
2	AYC	14			✓	✓
2	AZC	14	✓		✓	✓
3	AIC	14	✓			✓
4	AOC	16	✓			✓
4	AOCH	16	✓		✓	✓
5	AHC	18	✓			✓
5	AHCH05	18			✓	✓
5	AOCH05	18	✓		✓	✓
7	AUC	18	✓			✓
10	AHCH10	20				✓
10	AOCH10	20	✓		✓	✓
15	AVC	22	✓			✓
15	APCN	22				✓
15	MFC15	22				✓
15	MTC	56				✓
20	AFC20N	24				✓
20	AFCV20	24		✓	✓	✓
20	AKC	24			✓	✓
20	ARCF20	28		✓	✓	✓
20	MZC20	24				✓
25	AFCH25	30	✓		✓	✓
30	ATC30	30			✓	✓
30	ATCH30	30			✓	✓
30	MTC30	30				✓
40	AJC	34				✓
40	ATCV40	34	✓	✓	✓	✓
40	ATCW40	34	✓	✓ up to 5700VAC	✓	✓
40	MSC	58	✓		✓	✓
50	ANC50	36	✓			✓
50	ANCH50	36	✓		✓	✓
60	ARC60	38	✓			✓
60	ARCV60	38	✓	✓	✓	✓
60	MSC60	38				✓
100	AJCV100	40	✓	✓		✓
100	MQCS100	60				✓
150	AJCV150	40	✓	✓		✓
150	MQC150	40	✓			✓

■ = New Product, ■ = Recommended, ■ = Blank (Product in mass production)

## 1 Rugged Design

- Small Size Design
- Fan-less Design
- Semi-Potted Design
- I/O Isolation up to 4300VAC Design (5700VAC max)

## 2 Wide Operating Range

- Wide Input Voltage Range
- Wide Temperature

## 3 Power Protection

- Over Voltage Protection
- Over Temperature Protection
- Over Current Protection
- Short Circuit Protection

## 4 ITE OVC III / IV

- ITE OVC III
- ITE OVC IV

## AC-DC Switching PSU

Power(W)	Series	Page	1. Rugged Design				2.
			Small Size Design	Fan-less Design	Semi-Potted Design	I/O Isolation up to 4300VAC Design	Wide Temp.
40	AQF40	62	✓	✓			✓
60	SZA600	64	✓	✓			
60	SZA60U	64	✓	✓			
65	AQF65	62		✓			✓
80	AQF80	62	✓	✓			✓
120	AQF1200	66	✓	✓			
120	AQF120U	66	✓	✓			
120	AQF120E	66	✓	✓			
120	MQF1200	92	✓	✓			
120	MQF120U	92	✓	✓			
120	MQF120E	92	✓	✓			
130	ARF1300	70	✓	✓			
130	ARF130U	70	✓	✓	✓		✓
130	ARF130E	70	✓	✓	✓		✓
240	AQF240U	74	✓	✓			
240	AQF240E	74	✓	✓			
240	AQF240E-D	76	✓	✓			
240	ARF2400	78	✓	✓			✓
240	ARF240U	78	✓	✓	✓		✓
240	ARF240E	78	✓	✓	✓		✓
240	MQF2400	80	✓	✓			
240	MQF240U	80	✓	✓			
240	MQF240E	80	✓	✓			
500	ARF500U	82	✓	✓	✓		✓
500	ARF500E	82	✓	✓	✓		
500	MQF5000	84	✓	✓			
500	MQF500U	84	✓	✓			
500	MQF500E	84	✓	✓			
700	AQF700	86	✓				
700	AQF700C	86	✓				
1000	AQF1000	88	✓			✓	
1000	AQF1000C	88	✓			✓	
1300	ARF1300F	90	✓	✓	✓		✓

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# Product Features and Applications



## AC-DC Power Module

Power(W)	Series	Page	3. Power Protection				4. ITE OVC
			Over Voltage Protection	Over Temp. Protection	Over Current Protection	Short Circuit Protection	ITE OVC III & IV
2	AYC	14				✓	
2	AZC	14				✓	
3	AIC	14	✓			✓	
4	AOC	16				✓	
4	AOCH	16				✓	
5	AHC	18	✓				
5	AHCH05	18	✓			✓	
5	AOCH05	18	✓			✓	
7	AUC	18				✓	
10	AHCH10	20	✓			✓	
10	AOCH10	20	✓			✓	
15	AVC	22	✓			✓	
15	APCN	22	✓			✓	
15	MFC15	22	✓			✓	
15	MTC	56	✓		✓	✓	
20	AFC20N	24	✓			✓	
20	AFCV20	24	✓			✓	✓ III
20	AKC	24	✓		✓	✓	
20	ARCF20	28	✓			✓	✓ III
20	MZC20	24	✓			✓	
25	AFCH25	30	✓			✓	
30	ATC30	30	✓			✓	
30	ATCH30	30	✓			✓	
30	MTC30	30	✓			✓	
40	AJC	34	✓		✓	✓	
40	ATCV40	34	✓			✓	✓ III
40	ATCW40	34	✓			✓	✓ III & IV
40	MSC	58	✓		✓	✓	
50	ANC50	36	✓			✓	
50	ANCH50	36	✓			✓	
60	ARC60	38	✓			✓	
60	ARCV60	38	✓			✓	✓ III
60	MSC60	38	✓		✓	✓	
100	AJCV100	40	✓		✓	✓	✓ III
100	MQCS100	60	✓	✓		✓	
150	AJCV150	40	✓			✓	✓ III
150	MQC150	40	✓	✓		✓	

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## 1 Rugged Design

- Small Size Design
- Fan-less Design
- Semi-Potted Design
- I/O Isolation up to 4300VAC Design (5700VAC max)

## 2 Wide Operating Range

- Wide Input Voltage Range
- Wide Temperature

## 3 Power Protection

- Over Voltage Protection
- Over Temperature Protection
- Over Current Protection
- Short Circuit Protection

## 4 ITE OVC III / IV

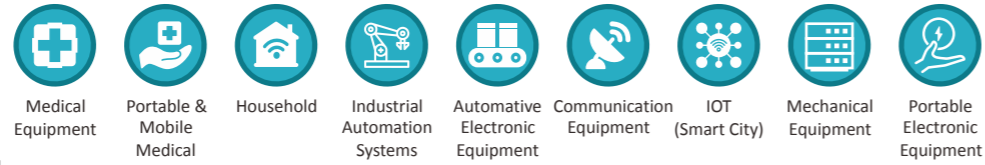
- ITE OVC III
- ITE OVC IV

## AC-DC Switching PSU

Power(W)	Series	Page	3. Power Protection				4. ITE OVC
			Over Voltage Protection	Over Temp. Protection	Over Current Protection	Short Circuit Protection	ITE OVC III & IV
40	AQF40	62	✓			✓	
60	SZA600	64	✓			✓	
60	SZA60U	64	✓			✓	
65	AQF65	62	✓			✓	
80	AQF80	62	✓			✓	
120	AQF1200	66	✓			✓	
120	AQF120U	66	✓			✓	
120	AQF120E	66	✓			✓	
120	MQF1200	92	✓	✓		✓	
120	MQF120U	92	✓	✓		✓	
120	MQF120E	92	✓	✓		✓	
130	ARF1300	70	✓	✓		✓	
130	ARF130U	70	✓	✓		✓	
130	ARF130E	70	✓	✓		✓	
240	AQF240U	74	✓			✓	
240	AQF240E	74	✓			✓	
240	AQF240E-D	76	✓			✓	
240	ARF2400	78	✓	✓		✓	
240	ARF240U	78	✓	✓		✓	
240	ARF240E	78	✓	✓		✓	
240	MQF2400	80	✓	✓		✓	
240	MQF240U	80	✓	✓		✓	
240	MQF240E	80	✓	✓		✓	
500	ARF500U	82	✓	✓		✓	
500	ARF500E	82	✓	✓		✓	
500	MQF5000	84	✓	✓		✓	
500	MQF500U	84	✓	✓		✓	
500	MQF500E	84	✓	✓		✓	
700	AQF700	86	✓	✓		✓	
700	AQF700C	86	✓	✓		✓	
1000	AQF1000	88	✓	✓		✓	✓ III
1000	AQF1000C	88	✓	✓		✓	✓ III
1300	ARF1300F	90	✓	✓		✓	

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# Product & Market Selection Guide



## AC-DC Power Module

Power(W)	Series	Page	Medical Equipment	Portable & Mobile Medical Equipment	Household	Industrial Automation Systems	Automotive Electronic Equipment	Communication Equipment	IOT (Smart City)	Mechanical Equipment	Portable Electronic Equipment
2	AYC	14				✓	✓	✓		✓	✓
2	AZC	14				✓	✓	✓		✓	✓
3	AIC	14				✓	✓	✓		✓	✓
4	AOC	16				✓	✓	✓		✓	✓
4	AOCH	16				✓	✓	✓		✓	✓
5	AHC	18				✓	✓	✓		✓	✓
5	AHCH05	18				✓	✓	✓		✓	✓
5	AOCH05	18			✓	✓	✓	✓		✓	✓
7	AUC	18				✓	✓	✓		✓	✓
10	AHCH10	20			▲	✓	✓	✓		✓	✓
10	AOCH10	20			✓	✓	✓	✓		✓	✓
15	AVC	22				✓	✓	✓		✓	✓
15	APCN	22				✓	✓	✓		✓	✓
15	MFC15	22	✓	✓		✓	✓	✓		✓	✓
15	MTC	56	✓	✓		✓	✓	✓		✓	✓
20	AFC20N	24				✓	✓	✓		✓	✓
20	AFCV20	24			▲	✓	✓	✓		✓	✓
20	AKC	24				✓	✓	✓		✓	✓
20	ARCF20	28				✓	✓	✓	✓	✓	✓
20	MZC20	24	✓	✓		✓	✓	✓		✓	✓
25	AFCH25	30			✓	✓	✓	✓		✓	✓
30	ATC30	30				✓	✓	✓		✓	✓
30	ATCH30	30			✓	✓	✓	✓		✓	✓
30	MTC30	30	✓	✓		✓	✓	✓		✓	✓
40	AJC	34				✓	✓	✓		✓	✓
40	ATCV40	34			▲	✓	✓	✓	✓	✓	✓
40	ATCW40	34			▲	✓	✓	✓	✓	✓	✓
40	MSC	58	✓	✓		✓	✓	✓		✓	✓
50	ANC50	36				✓	✓	✓		✓	✓
50	ANCH50	36			✓	✓	✓	✓		✓	✓
60	ARC60	38			✓	✓	✓	✓		✓	✓
60	ARCV60	38			▲	✓	✓	✓	✓	✓	✓
60	MSC60	38	✓	✓		✓	✓	✓		✓	✓
100	AJCV100	40			▲	✓	✓	✓	✓	✓	✓
100	MQCS100	60	✓	✓		✓	✓	✓		✓	✓
150	AJCV150	40			▲	✓	✓	✓	✓	✓	✓
150	MQC150	40	✓	✓		✓	✓	✓		✓	✓

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The scope of Medical Equipment / Portable and Mobile Medical Equipment: Diagnosis / Monitoring / Treatment



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## AC-DC Switching PSU

Power(W)	Series	Page	Medical Equipment	Portable & Mobile Medical Equipment	Industrial Automation Systems	Automotive Electronic Equipment	Automated Ordering Kiosk	Communication Equipment	IOT (Smart City)	Mechanical Equipment	Portable Electronic Equipment
40	AQF40	62				✓	✓	✓		✓	✓
60	SZA60O	64				✓	✓	✓		✓	✓
60	SZA60U	64				✓	✓	✓		✓	✓
65	AQF65	62				✓	✓	✓	✓	✓	✓
80	AQF80	62				✓	✓	✓	✓	✓	✓
120	AQF120O	66				✓	✓	✓	✓	✓	✓
120	AQF120U	66				✓	✓	✓	✓	✓	✓
120	AQF120E	66				✓	✓	✓	✓	✓	✓
120	MQF120O	92	✓			✓	✓				
120	MQF120U	92	✓			✓	✓				
120	MQF120E	92	✓			✓	✓				
130	ARF130O	70				✓	✓	✓	✓	✓	✓
130	ARF130U	70				✓	✓	✓	✓	✓	✓
130	ARF130E	70				✓	✓	✓	✓	✓	✓
240	AQF240U	74				✓	✓	✓	✓	✓	✓
240	AQF240E	74				✓	✓	✓	✓	✓	✓
240	AQF240E-D	76				✓	✓	✓	✓	✓	✓
240	ARF240O	78				✓	✓	✓	✓	✓	✓
240	ARF240U	78				✓	✓	✓	✓	✓	✓
240	ARF240E	78				✓	✓	✓	✓	✓	✓
240	MQF240O	80	✓			✓	✓	✓	✓	✓	✓
240	MQF240U	80	✓			✓	✓	✓	✓	✓	✓
240	MQF240E	80	✓			✓	✓	✓	✓	✓	✓
500	ARF500U	82				✓	✓	✓	✓	✓	✓
500	ARF500E	82				✓	✓	✓	✓	✓	✓
500	MQF500O	84	✓			✓	✓	✓	✓	✓	✓
500	MQF500U	84	✓			✓	✓	✓	✓	✓	✓
500	MQF500E	84	✓			✓	✓	✓	✓	✓	✓
700	AQF700	86				✓	✓	✓	✓	✓	✓
700	AQF700C	86				✓	✓	✓	✓	✓	✓
1000	AQF1000	88				✓	✓	✓	✓	✓	✓
1000	AQF1000C	88				✓	✓	✓	✓	✓	✓
1300	ARF1300F	90				✓	✓	✓	✓	✓	✓

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