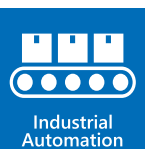
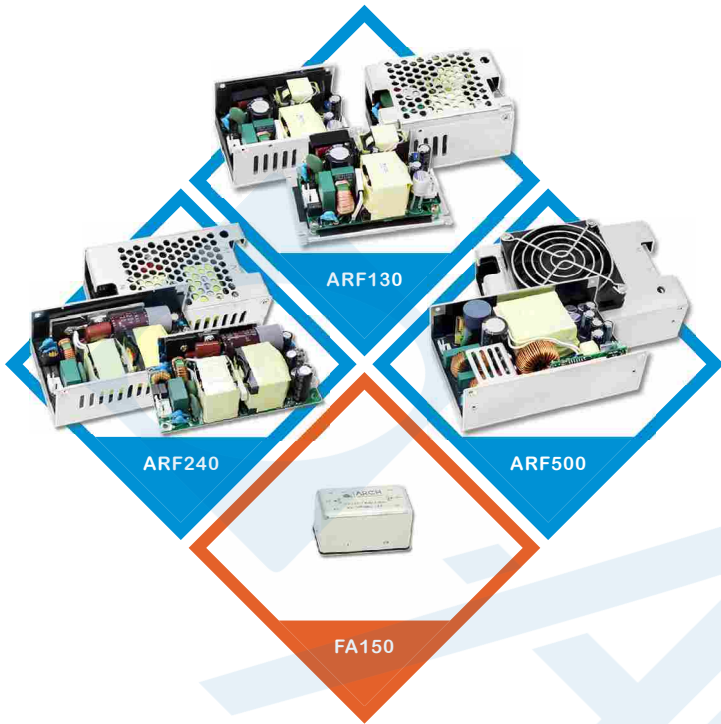


- ◆ AC-DC ITE/Household Power Module
- ◆ AC-DC Medical Power Module
- ◆ AC-DC ITE Switching Power Supply
- ◆ AC-DC Medical Switching Power Supply
- ◆ DC-DC Converter
- ◆ AC EMI Filter



# New Products



## ITE PSU Power

### ARF130 Series

**130 Watts** CE

- \* Size: ARF130E: 3.15" x 2.35" x 1.7"  
ARF130O: 3.59" x 2.15" x 1.32"  
ARF130U: 3.15" x 2.35" x 1.5"
- \* Enclosed / Open Frame / U Bracket Package
- \* Universal Input Range 90-264VAC
- \* O/P Voltage: 12, 24, 48VDC
- \* High Efficiency up to 91%
- \* No Load Power Consumption < 0.3W
- \* Operating Tm: -30°C to +80°C
- \* Operating Altitude 5000M
- \* Active PFC Function
- \* I/O Isolation 4000VAC
- \* UL / IEC / EN 62368-1 Safety Approval

## ITE PSU Power

### ARF240 Series

**240 Watts** CE

- \* Size: ARF240E/U: 4.1" x 2.46" x 1.54"  
ARF240O: 4.02" x 2.05" x 1.09"
- \* Enclosed / Open Frame / U Bracket Package
- \* Universal Input Range 90-264VAC
- \* O/P Voltage: 12, 24, 48VDC
- \* High Efficiency up to 94%
- \* No Load Power Consumption < 0.5W
- \* Operating Tm: -30°C to +80°C
- \* Built-in 12V / 0.5A Fan Supply (ARF240O)
- \* Operating Altitude 5000M
- \* Active PFC Function
- \* I/O Isolation 4000VAC
- \* UL / IEC / EN 62368-1 Safety Approval

## ITE PSU Power

### ARF500 Series

**500 Watts** CE

- \* Size: ARF500E: 5.11" x 3.25" x 2.42"  
ARF500U: 5.11" x 3.25" x 1.6"
- \* Enclosed or U Bracket Package
- \* Universal Input Range 90-264VAC
- \* O/P Voltage: 12, 24, 48VDC
- \* High Efficiency up to 91.5%/92%
- \* Operating Tm: -30°C to +80°C
- \* Operating Altitude 5000M
- \* Active PFC Function
- \* I/O Isolation 4000VAC
- \* Standby 5V@1A with Fan
- \* Standby 0.4A without Fan (ARF500U)
- \* Built-in 12V/0.3A Auxiliary Output (ARF500U)
- \* UL / IEC / EN 62368-1 Safety Approval

## AC EMI Filter

### FA150 Series

**Ideal for 1-150 Watts**

- \* Size: 1.81" x 0.98" x 0.93"
- \* Current rating 1-2A
- \* Very Compact PCB-mounting Design, Easy to Mount
- \* Input Range 90-305VAC
- \* To Enhance the Anti-interference Performance and Reduce CE and RE
- \* Operating Tm: -40°C to +85°C

## ITE Power Module

### AHCH05,10 Series

**5/10 Watts** CE

- \* Size: AHCH05: 2.04" x 1.04" x 0.65"  
AHCH10: 2.055" x 1.055" x 0.75"
- \* Universal Input Range 90-305VAC
- \* I/O Isolation 4000VAC
- \* O/P Voltage: 3, 3.5, 12, 15, 24VAC
- \* No Load Power Consumption < 0.1W
- \* Operating Tm: -40°C to +85°C
- \* Screw Terminal for Option
- \* EMC Compliant without External Components
- \* Safety Approval to UL / IEC / EN 62368-1  
Meet IEC / EN 60335-1 and IEC / EN 61558-2-16

## ITE / Household Power Module

### AOCH05,10/AFCH25/ATCH30/ANCH50/ARC60 Series

**5/10 Watts**

- \* Size: AOCH05: 1.46" x 1.08" x 0.69"  
AOCH10: 1.46" x 1.08" x 0.79"  
AFCH25: 2.07" x 1.08" x 0.93"  
ATCH30: 2.53" x 1.78 x 0.85"  
ANCH50/ARC60: 2.92 x 1.85 x 0.91"
- \* Universal Input Range: ARC60: 90-264VAC  
others: 90-305VAC
- \* No Load Power Consumption < 0.1W
- \* Screw Terminal for Option (AOCH05/10 N/A)

CE

- \* O/P Voltage: AOCH05/AOCH10: 3, 3.5, 12, 15, 24VAC  
AFCH25/ATCH30: 5, 1, 12, 15, 24VAC  
ANCH50/ARC60 : 12, 15, 24VAC
- \* Operating Tm: ATCH30/ARC60: -40°C to +85°C  
others: -40°C to +70°C
- \* EMC Compliant without External Components
- \* Safety Approval to UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16

## DC-DC Converter

### SP10F Series

**10 Watts** CE

- \* Size: 0.87" x 0.37" x 0.47"
- \* Compact SIP8 Package
- \* High Efficiency up to 89%
- \* 4:1 Wide Input Range
- \* O/P Voltage: 5, 12, 15, 24, ±5, ±12, ±15VDC
- \* Without Tantalum Capacitors Inside
- \* 3000VDC Isolation
- \* Regulated Outputs
- \* Remote ON/OFF Control
- \* Operating Tm: -40°C to +85°C
- \* Low No Load Power Consumption
- \* Continuous Short Circuit Protection

## DC-DC Converter

### SW20F,30F,40F Series

**20/30/40 Watts** CE

- Size: 1.02" x 1.02" x 0.45"
- High Efficiency up to 90%/92%
- 4:1 Wide Input Range
- O/P Voltage: 5, 12, 15, 24VDC
- Without Tantalum Capacitors Inside
- Low Ripple and Noise
- Remote ON/OFF Control
- Operating Tm: -40°C to +85°C
- Screw Terminal for Option
- Safety Meet UL / IEC / EN 62368-1 & 60950

## DC-DC Converter

### ST50F,80F Series

**50/80 Watts** CE

- \* Size: ST50F: 2.01" x 1.0" x 0.47"  
ST80F: 2.08" x 1.08" x 0.52"
- \* High Efficiency up to 91% / 93%
- \* O/P Voltage: 5, 12, 15, 24VDC
- \* Low Ripple and Noise
- \* Remote ON/OFF Control
- \* Operating Tm: -40°C to +80°C
- \* Screw Terminal for Option
- \* Safety Meet UL / IEC / EN 62368-1 & 60950

## DC-DC Converter

### SQ100 Series














**100 Watts** CE

- Size: 2.28" x 1.45" x 0.55"
- Standard 1/4 Brick Package
- 8:1 Input Range
- O/P Voltage: 5, 12, 15, 24, 48VDC
- Protections: Over Power / Over Voltage  
Over Temperature / Short Circuit
- All by Auto-recovery
- Operating Tm: -40°C to +105°C



**AC-DC ITE Power Module**

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
2W	AYC		Class II	90~305	Single 3.3 · 5 · 9 · 12 · 15 · 24	3000	-40°C~80°C	33.7 x 22.2 x 17.0 CE RoHS CB	3-Year
	AZC		Class II	90~305	Single 3.3 · 5 · 9 · 12 · 15 · 24	3000	-40°C~80°C	28.8 x 26.1 x 17.3 CE RoHS CB	3-Year
3W	AIC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24	3750	-40°C~85°C	35.7 x 19.0 x 22.0 CE RoHS CB	3-Year
4W	AOC		Class II	90~264 and 90~305	Single 3.3 · 5 · 8 · 9 · 12 · 14 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 17.5 CE RoHS CB	3-Year
	AOCH				Dual 5/3.3 · 8/5 · 12/5				
5W	AHCH05		Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~85°C	51.82 x 26.42 x 16.51 CE RoHS CB	3-Year
	AOCH05		Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE RoHS CB	3-Year
7W	AUC		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	27.4 x 27.4 x 18.7 CE RoHS CB	3-Year
8W	AHC08		Class II	90~305	Single 3.3 · 3.8 · 5 · 8 · 9 · 12 · 14 · 15 · 24	3000	-40°C~70°C	52.2 x 26.8 x 19.0 CE RoHS	3-Year
	ALC				Dual 5/3.3 · 8/5 · 12/5 · 12/7.5				
10W	AHCH10		Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~85°C	52.2 x 26.8 x 19.0 CE RoHS CB	3-Year
	AOCH10		Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE RoHS CB	3-Year
	AOD10		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE RoHS CB	3-Year
15W	AVC		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	41.2 x 27.2 x 19.1 CE RoHS CB	3-Year
	APCN		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	54.7 x 44.9 x 21.0 CE RoHS CB	3-Year
	ATCN		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	64.3 x 45.1 x 21.7 CE RoHS CB	3-Year
	MFC15		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE RoHS CB	3-Year
20W	AFC20		Class II	90~264	Single 3.3 · 5 · 12 · 15 · 24	3000	-40°C~70°C	52.5 x 27.5 x 23.5 CE RoHS CB	3-Year
	AKC		Class I	90~264	Single 3.3 · 5 · 7.35 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 Triple 5/±12 · 5/±15	3000	-25°C~70°C	69.5 x 47.5 x 21.7 CE RoHS CB	3-Year
	MZC20		Class II	90~264	Single 12 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE RoHS CB	3-Year
25W	AFCH25		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE RoHS CB	3-Year
30W	ATC30		Class II	90~305	Single 3.3 · 5 · 12 · 15 · 24	3000	-40°C~70°C	64.1 x 45.6 x 23.5 CE RoHS CB	3-Year
	ATCH30		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE RoHS CB	3-Year
	MTC30		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5 CE RoHS CB	3-Year
40W	AJC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 · 5/12 · 5/24 Triple 5/±12 · 5/±15	3000	-40°C~70°C	89.5 x 64.1 x 25.0 CE RoHS CB	3-Year
50W	ANC50		Class II	90~264	Single 5 · 12 · 15 · 24 · 48	3000	-40°C~70°C	74.1 x 54.1 x 21.8 CE RoHS CB	3-Year
	ANCH50		Class II	90~305	Single 12 · 15 · 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE RoHS CB	3-Year
60W	AEC60		Class I	90~264	Single 5 · 9 · 12 · 15 · 24 · 48	4000	-40°C~70°C	109.0 x 58.5 x 30.0 CE RoHS	3-Year
	ARC60		Class II	90~264	Single 12 · 15 · 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE RoHS CB	3-Year
	MSC60		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	89.0 x 63.5 x 27.0 CE RoHS CB	3-Year
100W	AQC100		Class I	90~264	Single 12 · 15 · 24 · 48	3000	-25°C~70°C	109.0 x 58.5 x 30.0 CE RoHS CB	3-Year

### AC-DC ITE Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
150W	MQC150		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	109.0 x 58.5 x 35.0 CE	3-Year
300W	ABR300		Class I	90~264	Single 12 · 24 · 28 · 48	3000	-40°C~100°C	117.3 x 61.5 x 13.2 CE	3-Year

### AC-DC Household Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
5W	APOCH05 <b>NEW</b>		Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE	3-Year
10W	APOCH10 <b>NEW</b>		Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE	3-Year
	AOD10		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE	3-Year
25W	AFCH25 <b>NEW</b>		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE	3-Year
30W	ATCH30 <b>NEW</b>		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE	3-Year
50W	ANCH50 <b>NEW</b>		Class II	90~305	Single 12 · 15 · 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE	3-Year
60W	ARC60 <b>NEW</b>		Class II	90~264	Single 12 · 15 · 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE	3-Year

### AC-DC Medical Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
15W	MFC15		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE	3-Year
	MTC		Class II	90~264	Single 3.3 · 5 · 7.35 · 9 · 12 · 15 · 24 Dual $\pm 5$ · $\pm 12$ · $\pm 15$ Triple $5/\pm 12$ · $5/\pm 15$	4000	-40°C~70°C	64.1 x 45.6 x 23.5 CE	3-Year
20W	MZC20		Class II	90~264	Single 12 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE	3-Year
30W	MTC30		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5 CE	3-Year
40W	MSC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24 Dual $\pm 5$ · $\pm 12$ · $\pm 15$ · $5/12$ · $5/24$ Triple $5/\pm 12$ · $5/\pm 15$	4000	-40°C~70°C	89.0 x 63.5 x 27.0 CE	3-Year
60W	MSC60		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	89.0 x 63.5 x 27.0 CE	3-Year
100W	MQCS100		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	83.9 x 58.5 x 35.0 CE	3-Year
150W	MQC150		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	109.0 x 58.5 x 35.0 CE	3-Year

### AC EMI Filter

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	Rated Voltage (V.AC)	Rated Current (A)	Hi Pot Rating $\leq 5mA$ (1 min)	Operating Temperature	Dimensions (mm)	Warranty
1-150W	FA150 <b>NEW</b>		Class I and Class II	90~305	1 · 2	Line to Line: 1800 VDC Line to Ground: 2000 VAC	-40°C~100°C	46.0 x 25.0 x 23.5	3-Year

(C) AC-DC ITE Switching Power Supply

■ = New Model, □ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Package Type	Circuit	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage(V.AC)	Operating Temperature	Dimensions (mm)	Warranty
60W	AES60E AES60U		Enclosed U Bracket	Class I	90~264	5、9、12、15、24、48	3000 VAC or 4242 VDC	-40°C~70°C	105.0 x 58.0 x 38.1 CE, UL, US	3Y
	AES600		Open Frame	Class I	90~264	5、9、12、15、24、48	3000 VAC or 4242 VDC	-40°C~70°C	103.9 x 52.1 x 25.4 CE, UL, US	3Y
	SZA600		Open Frame	Class I	90~264	5、12、15、24、48	3000 VAC or 4242 VDC	-30°C~70°C	76.3 x 50.6 x 31.5 CE, UL, US, CB	3Y
	SZA60U		U Bracket	Class I	90~264	5、12、15、24、48	3000 VAC or 4242 VDC	-30°C~70°C	80.0 x 59.7 x 38.0 CE, UL, US, CB	3Y
100W	AQF1000		Open Frame	Class I	90~264	12、15、24、48	3000 VAC or 4242 VDC	-25°C~70°C	103.9 x 54.1 x 24.3 CE, UL, US, CB	3Y
120W	AQF120E AQF120U		Enclosed U Bracket	Class I	90~264	5、12、15、24、48	4000 VAC or 5656 VDC	-25°C~70°C	127.0 x 82.2 x 38.1 CE, UL, US, CB	3Y
	AQF1200		Open Frame	Class I	90~264	5、12、15、24、48	4000 VAC or 5656 VDC	-25°C~70°C	127.0 x 76.2 x 29.5 CE, UL, US, CB	3Y
130W	ARF130E <b>NEW</b>		Enclosed	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	80.0 x 59.7 x 43.2 CE, UL, US, CB	3Y
	ARF1300 <b>NEW</b>		Open Frame	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	91.19 x 54.61 x 33.5 CE, UL, US, CB	3Y
	ARF130U <b>NEW</b>		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	80.0 x 59.7 x 38.0 CE, UL, US, CB	3Y
240W	AQF240E AQF240U		Enclosed U Bracket	Class I	90~264	5(AQF240E only)、 12、15、24、28、32、 36、48	4000 VAC or 5656 VDC	-10°C~70°C	150.0 x 106.0 x 35.0 CE, UL, US, CB	3Y
	ARF240E ARF240U <b>NEW</b>		Enclosed U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	104.0 x 62.5 x 39.2 CE, UL, US, CB	3Y
	ARF2400 <b>NEW</b>		Open Frame	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	102.0 x 52.0 x 27.6 CE, UL, US, CB	3Y
	(H) MQF240E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 50.5 CE, UL, US, CB	3Y
	(H) MQF2400		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	103.9 x 52.0 x 27.6 CE, UL, US, CB	3Y
	(H) MQF240U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 39.2 CE, UL, US, CB	3Y
300W	ABR300U		U Bracket	Class I	90~264	12、24、28、48	3000 VAC	-40°C~65°C	150.0 x 106.0 x 35.0 CE	3Y
360W	AQF360E		Enclosed	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	172.7 x 81.3 x 53.3 CE, UL, US, CB	3Y
	AQF360F		Enclosed	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	197.7 x 81.3 x 40.0 CE, UL, US, CB	3Y
	AQF360U		U Bracket	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	172.7 x 81.3 x 38.0 CE, UL, US, CB	3Y
480W	AQFV480E		Enclosed	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	177.8 x 106.5 x 60.3 CE, UL, US	3Y
	AQFV480F		Enclosed	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	202.8 x 106.5 x 45.0 CE, UL, US	3Y
	AQFV480U		U Bracket	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	177.8 x 106.5 x 45.0 CE, UL, US	3Y
500W	ARF500E <b>NEW</b>		Enclosed	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	129.7 x 82.55 x 61.4 CE, UL, US, CB	3Y
	ARF500U <b>NEW</b>		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	129.7 x 82.55 x 40.6 CE, UL, US, CB	3Y
	(H) MQF500E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 61.4 CE, UL, US, CB	3Y
	(H) MQF5000		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	127.8 x 76.2 x 36.5 CE, UL, US, CB	3Y
	(H) MQF500U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 40.6 CE, UL, US, CB	3Y
600W	AQF600		Enclosed	Class I	90~264	12、24、48、54	3000 VAC or 4242 VDC	-25°C~70°C	228.5 x 105.0 x 44.0 CE, UL, US	3Y
700W	AQF700 AQF700C		Enclosed	Class I	90~264	12、15、24、28、48	4000 VAC or 5656 VDC	-30°C~70°C	170.2 x 93.0 x 41.0 CE, UL, US, CB	3Y

### (H) AC-DC Medical Switching Power Supply

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Package Type	Circuit	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
120W	MQF120E		Enclosed	Class II	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	80.0 x 59.7 x 43.2 CE, RoHS, CB	3Y
	MQF120O		Open Frame	Class II	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	77.2 x 50.8 x 30.7 CE, RoHS, CB	3Y
	MQF120U		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	80.0 x 59.7 x 38.0 CE, RoHS, CB	3Y
240W	MQF240E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 50.5 CE, RoHS, CB	3Y
	MQF240O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	103.9 x 52.0 x 27.6 CE, RoHS, CB	3Y
	MQF240U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 39.2 CE, RoHS, CB	3Y
500W	MQF500E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 61.4 CE, RoHS, CB	3Y
	MQF500O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	127.8 x 76.2 x 36.5 CE, RoHS, CB	3Y
	MQF500U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 40.6 CE, RoHS, CB	3Y

### (C) DC-DC Converter

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Input Voltage Range (V.DC)		Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
5W	ZC05		4:1 Range 9~36 18~75		Single 3.3、5、12、15、24 Dual ±5、±12、±15	1600	-25°C~80°C	31.8 x 20.3 x 10.2 CE	3-Year
10W	SP10F		4:1 Range 9~36 18~75		Single 5、12、15、24 Dual ±5、±12、±15	3000	-40°C~85°C	22.0 x 9.5 x 12.0 CE	3-Year
15W	ZB15		2:1 Range 9~18 18~36	4:1 Range 9~36 18~75	Single 3.3、5、12、15、24 Dual ±5、±12、±15	1600	-25°C~70°C	50.1 x 25.4 x 10.8 CE, RoHS	3-Year
20W	SW20F SW20F X		4:1 Range 9~36 18~75		Single 5、12、15、24	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE, RoHS, meet	3-Year
30W	SW30F SW30F X		4:1 Range 9~36 18~75		Single 5、12、15、24	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE, RoHS, meet	3-Year
40W	SW40F SW40F X		4:1 Range 9~36 18~75		Single 5、12、15、24	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE, RoHS, meet	3-Year
50W	ST50F ST50F X		4:1 Range 9~36 18~75		Single 5、12、15、24	2250	-40°C~80°C	51.0 x 25.5 x 12.0 CE, RoHS, meet	3-Year
60W	ST60 ST60 X		4:1 Range 18~72		Single 12、15、24	1600	-40°C~80°C	52.8 x 27.5 x 13.2 CE	3-Year
80W	ST80F ST80F X		4:1 Range 9~36 18~75		Single 5、12、15、24	2250	-40°C~80°C	52.8 x 27.5 x 13.2 CE, RoHS, meet	3-Year
100W	SQ100 SQ100 X		8:1 Range 9~75		Single 5、12、15、24、48	2250	-40°C~105°C	59.7 x 36.8 x 12.7 CE	3-Year

# Model Encoding

## AC-DC ITE Power Module

Series Name	Output Voltage & Output Type		Option
<b>AJC</b>	<b>3.3</b>	<b>S</b>	<b>A2</b>
ABR300 AEC60 AFC20 AFCH25 AHC08 AHCH05 / 10 AIC AJC AKC ALC ANC50 / ANCH50 AOC / AOCH AOCH05 / APOCH10 AOD10 APCN AQC100 ARC60 ATC30 / ATCH30 / ATCN AUC AVC AYZ AZC MFC15 MQC150 MSC60 MTC30 MZC20	Single: 3.3S=3.3 Vdc 3.8S=3.8 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 7.35S=7.35 Vdc 8S=8 Vdc 9S=9 Vdc 12S=12 Vdc 14S=14 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc  Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc 5S3.3S= 5 / 3.3 Vdc 5S12S= 5 / 12 Vdc 5S24S= 5 / 24 Vdc 8S5S= 8 / 5 Vdc 12S5S= 12 / 5 Vdc 12S7.5S= 12 / 7.5 Vdc	Din Rail Type Input Output A2=  only for AEC60 / AFCH25 / AHCH05 / AHCH10 / AJC / AKC / ANCH50 / ARC60 / ATCH30 / MFC15 / MQC150 / MSC60 / MTC30 / MZC20  A5=  only for AEC60

## AC EMI Filter

Series Name	Suitable Power	Rated Current
<b>FA</b>	<b>150</b>	<b>1</b>
FA	150=1~150 watts	1=2A (Circuit Class I) 2=2A (Circuit Class II) 3=1A (Circuit Class II)

## AC-DC Household Power Module

Series Name	Output Power	Output Voltage & Output Type	Option
<b>AFCH25</b>	<b>25</b>	<b>12 S</b>	<b>A2</b>
AFCH ANCH AOCH AOD ARC	5=5 watts 10=10 watts 25=25 watts 30=30 watts 50=50 watts 60=60 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc	Din Rail Type only for AFCH25 / ANCH50 / ARC60 / ATCH30 Input Output A2=  only for AEC60

## AC-DC Medical Power Module

Series Name	Output Power	Output Voltage & Output Type	Option	Option
<b>MFC</b>	<b>15</b>	<b>12 S</b>	<b>E1</b>	<b>A2</b>
MFC MQC MQCS MSC MTC MZC	15=15 watts 20=20 watts 30=30 watts 60=60 watts 100=100 watts 150=150 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 7.35S=7.35 Vdc 9S=9 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc  Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	Din Rail Type 12D=±2 Vdc 15D=±15 Vdc 5S12S= 5 / 12 Vdc 5S24S= 5 / 24 Vdc E1=Operating Starts at -40°C only for MTC (15W) / MSC (40W)	Din Rail Type only for MFC15 / MZC20 / MTC30 / MSC60 / MQCS100 / MQC150 Input Output A2=  only for AEC60

## AC-DC Medical Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type
<b>MQF</b>	<b>240</b>	<b>O</b>	<b>12 S</b>
MQF	120=120 watts 240=240 watts 500=500 watts	C=Current Share Function E=Enclosed O=Open Frame U=U Bracket	Single: 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc

## AC-DC Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type	Option
<b>AES</b>	<b>60</b>	<b>O</b>	<b>5 S</b>	<b>DRK</b>
ABR AES AQF AQS AQFV ARF MQF SZA	60=60 watts 100=100 watts 120=120 watts 130=130 watts 240=240 watts 300=300 watts 360=360 watts 480=480 watts 500=500 watts 600=600 watts 700=700 watts	C=Current Share Function E=Enclosed F=Enclosed+Fan O=Open Frame U=U Bracket	Single: 5S=5 Vdc 9S=9 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 28S=28 Vdc 32S=32 Vdc 36S=36 Vdc 48S=48 Vdc 54S=54 Vdc	Din Rail Kit (Enclosed Package Type) only for AES60 / AQF120 / AQF240

## DC-DC Converter

Series Name	Output Power	4:1 Wide Input Range	Input Voltage	Output Voltage & Output Type	with Heatsink	Option
<b>SW</b>	<b>20</b>	<b>F</b>	<b>24</b>	<b>12 S</b>	<b>X</b>	<b>A2</b>
SP SQ ST SW ZB ZC	5=5 watts 10=10 watts 15=15 watts 20=20 watts 30=30 watts 40=40 watts 50=50 watts 60=60 watts 80=80 watts 100=100 watts	F=4:1 Wide Input Range	2:1 Range 12=12 Vdc (9~18Vdc) 24=24Vdc (18~36Vdc) 48=48Vdc (36~75Vdc) 4:1 Range 24=24 Vdc (9~36Vdc) 48=48Vdc (18~75Vdc)	Single: 3.3S=3.3 Vdc 5S=5 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc	X=with Heatsink	Din Rail Type only for ST50F / ST60 / ST80F SW20F / SW30F / SW40F A2=  A5=  only for AEC60



e-**A**lcom  
e-**C**om  
e-**r**onics  
e-**o**m  
e-**n**ics  
e-**s**om