

# AEC60 / ARC60 / MSC60 Series 60W

## () AC-DC ITE Power Module

### Features

- \* Ultra Compact Size
- \* Power Module for PCB Mountable
- \* Universal Input Range 90-264VAC
- \* Low No-Load Power Consumption (see spec. sheet)
- \* Cooling by free air convection

- \* Low Ripple and Noise
- \* Medical safety approved, 2xMOPP (MSC60)
- \* Isolation Class II (AEC60 Class I)
- \* I/O Isolation: 4000VAC
- \* 3-Year Product Warranty

AEC60



ARC60



MSC60



**AEC60**  
60 Watts



109.0 x 58.5 x 30.0 mm  
4.3 x 2.3 x 1.18 inches

() Household Power Module

**ARC60**  
60 Watts



74.2 x 47.0 x 23.1 mm  
2.92 x 1.85 x 0.91 inches

() Medical Power Module

**MSC60**  
60 Watts



89.0 x 63.5 x 27.0 mm  
3.5 x 2.5 x 1.06 inches

**General specifications** (For more details and final specifications, please refer to the respective datasheets in PDF file format on [www.archcorp.com.tw](http://www.archcorp.com.tw).)

Series	AEC60	ARC60 <b>NEW</b>	MSC60
AC Input Voltage Range	90-264 VAC or 120-370 VDC		
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)	55 A max. (115 VAC) / 95 A max. (230 VAC)
Leakage Current	0.5 mA	0.25 mA	<0.1 mA
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	Ripple: <0.2% Vout+40mV ; Noise: <0.5% Vout+50mV ;	12S:120mV ; 15S:150mV ; 24S:240mV	5S,9S:100mV ; others:1% Vout
Over Power Protection	Auto-recovery		
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—		Auto-recovery
Short Circuit Protection	Auto-recovery	Hiccup mode, indefinite (automatic recovery)	
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +70 °C	-40 °C to +85 °C	-40 °C to +80 °C
Temperature Coefficient	±0.02%/°C	±0.05%/°C	
Cooling Method	Free air convection		
Safety	AEC60: UL / EN 60950-1 ARC60: UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16 MSC60: UL / IEC / EN 60601 3.1 <sup>st</sup> Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		EN 55011 Class B
EMS (Noise Immunity)	EN 55024	EN 55035	EN 60601-1-2 4th Edition

### Model No.

#### ▶▶ AEC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AEC60-5S	90~264	5	10,000	82
AEC60-9S	90~264	9	6660	84
AEC60-12S	90~264	12	5000	86
AEC60-15S	90~264	15	4000	86
AEC60-24S	90~264	24	2500	86
AEC60-48S	90~264	48	1250	86

#### ▶▶ ARC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARC60-12S	90~264	12	5000	90
ARC60-15S	90~264	15	4000	90
ARC60-24S	90~264	24	2500	89

#### ▶▶ MSC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC60-5S	90~264	5.1	10000	86
MSC60-9S	90~264	9	6666	87
MSC60-12S	90~264	12	5000	88
MSC60-15S	90~264	15	4000	86
MSC60-24S	90~264	24	2500	87