

KEY FEATURES

- Ultra Compact Size: 2.92" x 1.85"
- Universal Input Range 90-264VAC, 50-60Hz
- I/O Isolation 4000VAC
- Operating Ambient Temperature Range -40°C to +70°C
- No Load Power Consumption < 0.1W
- High Efficiency up to 90%
- EMC Compliant without External Components
- Safety Approval to UL / IEC / EN 62368-1
- Meet IEC / EN 60335-1
- 3-Year Product Warranty



(In Progress)

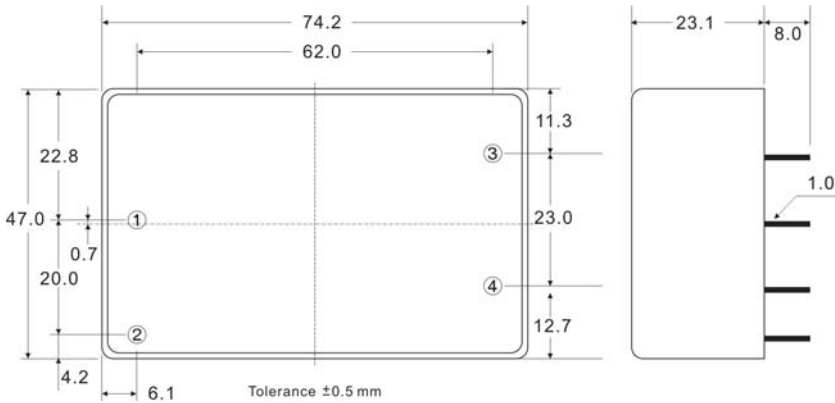
ELECTRICAL SPECIFICATIONS

All specifications valid at normal input voltage, full load and +25°C after warm-up time unless otherwise stated.

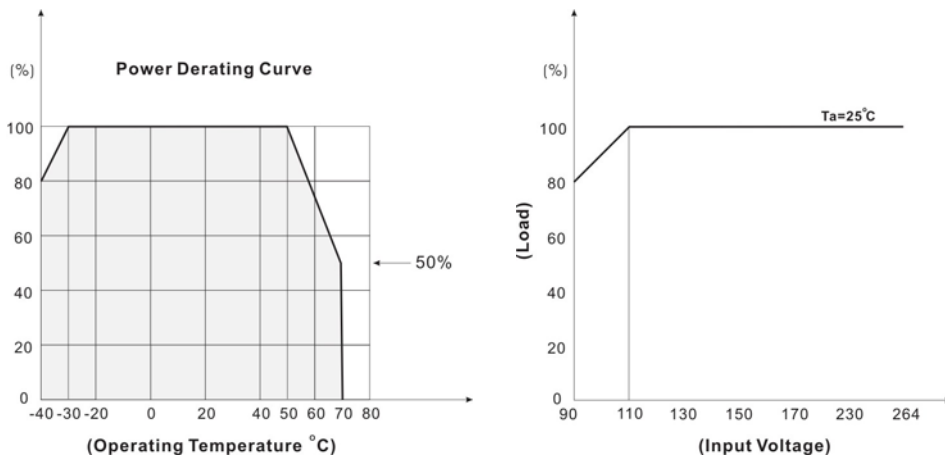
Model No. (Single Output)	ARC60-12S	ARC60-15S	ARC60-24S	
Max Output Wattage (W)	60W			
Input	Voltage	90-264 VAC or 120-370 VDC		
	Frequency (Hz)	50 / 60 Hz		
	Current (Full load)	1500 mA max. (115 VAC) / 1000 mA max. (230 VAC)		
	Inrush Current (<2ms)	70 A max. (115 VAC) / 120 A max. (230 VAC)		
	No Load Input Power (<240 VAC)	<0.1W		
Output	Voltage (V.DC.)	12V	15V	24V
	Voltage Accuracy	±2%		
	Current (mA) max	5000	4000	2500
	Line Regulation (LL-HL) (typ.)	±2%		
	Load Regulation (0-100%) (typ.)	±2.5%		
	Minimum Load	0%		
	Maximum Capacitive Load	6000uF	5000uF	1200uF
	Ripple & Noise	120mV	150mV	240mV
	Efficiency (at 230 VAC)	90%	90%	89%
Hold-up Time (at 115 / 230 VAC)	8 ms typ. (115 VAC) / 30 ms typ. (230 VAC)			
Protection	Over Power Protection	Auto recovery		
	Over Voltage Protection	Zener diode clamp		
	Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation	Input-Output (V.AC)	4000V		
Environment	Operating Temperature	-40°C...+70°C (with derating)		
	Storage Temperature	-40°C...+85°C		
	Temperature Coefficient	±0.05%/°C		
	Humidity	95% RH		
	MTBF	>300,000 h @ 25°C (MIL-HDBK-217F)		
Physical	Dimension (L x W x H)	2.92 x 1.85 x 0.91 Inches (74.2 x 47.0 x 23.1 mm) Tolerance ±0.5 mm		
	Case Material	Plastic resin (flammability to UL 94V-0)		
	Weight	In Progress		
	Cooling Method	Free air convection		
Safety	Agency Approvals	UL / IEC / EN 62368-1 (In Progress)		
	Meet	IEC / EN 60335-1 (In Progress)		
EMC	EMI (Conducted & Radiated Emission)	EN55032 (In Progress)		
	EMS (Noise Immunity)	EN55035 (In Progress)		

NOTE

1. Ripple & Noise are measured at 20MHz of bandwidth with 0.1uF & 47uF parallel capacitor.
2. Please refer to our PDF file "AC-DC Application" on our website: www.archcorp.com.tw

MECHANICAL DIMENSION (Top View)


PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT

DERATING

BLOCK DIAGRAM

Single Output

