

Features:

1. Wide input range (90-264VAC)
2. Size 127*76.2*38mm, 5"*3"
3. No load power consumption<0.3W
4. Protection type: short circuit/over temperature/over load/over voltage
5. Air cooling 250W, 23CFM cooling 350W
6. 3000V isolation voltage
7. Built-in EMI filter: CLASS B
8. Suitable for CLASS I or CLASS II installations
9. Built-in 12V/0.5A fan auxiliary power supply
10. 100% high temperature burn-in and function test
11. 3 years warranty



3 years
Warranty

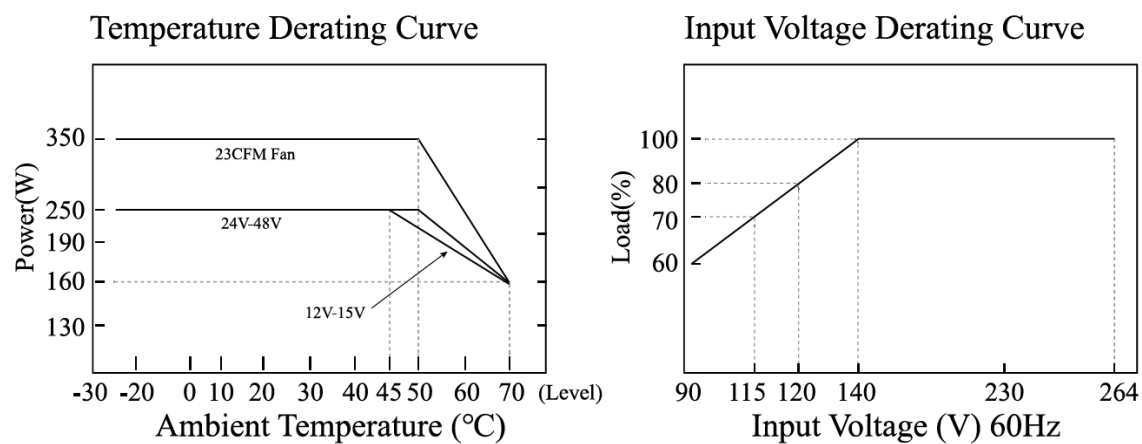
Model	Input Voltage	Rated Power (W)	Output Voltage (V)	Voltage Adjustable Range (V)	Output Current (A)	Ripple & Noise (mVp-p)	Efficiency (%)
ADF-350-12	90-264VAC	350	12	11.5-13.0	29.1	150	91
ADF-350-15		350	15	14.3-15.8	23.3	150	92
ADF-350-24		350	24	22.8-25.8	14.58	120	93
ADF-350-27		350	27	25.6-28.4	12.96	120	93
ADF-350-36		350	36	34.2-37.8	9.72	150	93
ADF-350-48		350	48	45.6-50.4	7.29	150	94

Specifications

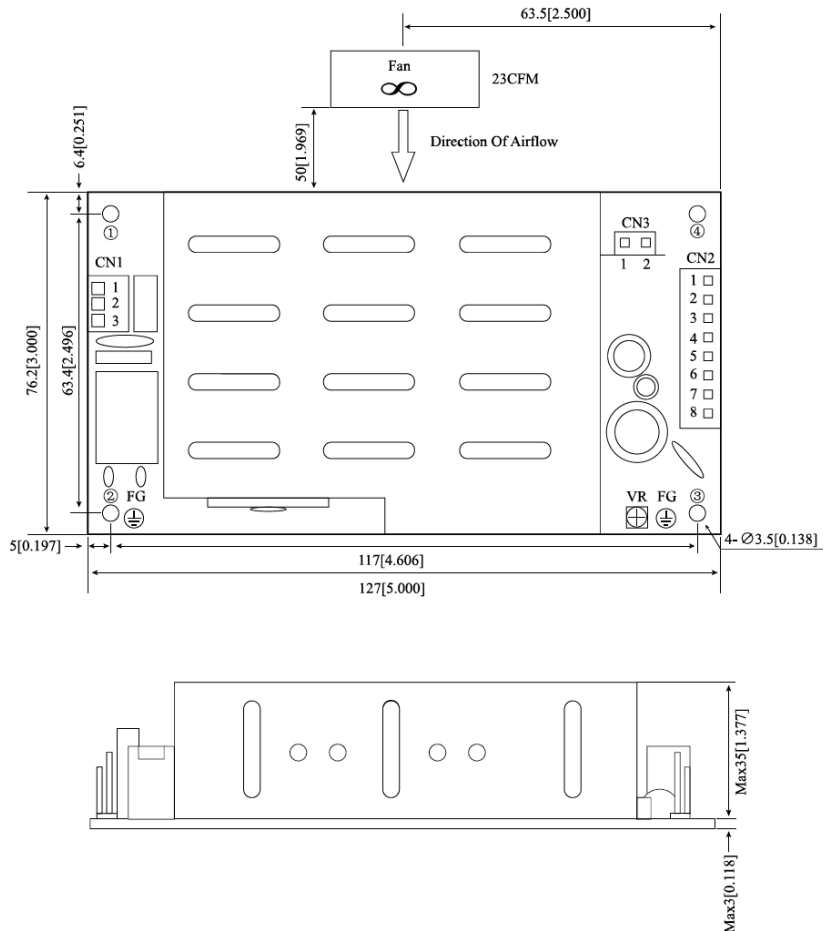
OUTPUT	Voltage Tolerance	±1.0%					
	Line Regulation	±1.0%					
	Load Regulation	±1.0%					
	Setup, Rise Time (Typ.)	1000ms, 50ms/230VAC 2000ms, 60ms/115VAC at full load					
	Hold Up Time (Typ.)	10ms/230VAC 10ms/115VAC at full load					
INPUT	Voltage Range	90-264VAC					
	Power Factor (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load					
	Current (Typ.)	3.8A/115VAC 1.85A/230VAC					
	Inrush Current (Typ.)	Cold boot 30A/115VAC 60A/230VAC					
	Leakage Current (Typ.)	<0.75mA/230VAC/60Hz					
PROTECTION	Over Load	≥110% load, recovers automatically after fault condition is removed					
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed					
	Over Temperature	Shut-off output, normal output can be restored after power restart					
	Over Voltage	Shut-off output					
		Voltage	12VDC	15VDC	24VDC	27VDC	36VDC 48VDC
		Range	≤16V	≤18.5V	≤30V	≤33.5V	≤45V ≤59.5V
FUNCTION	Auxiliary Power Supply	12V@0.5A Auxiliary power supply for fan drive					
ENVIRONMENT	Working Temp.	-30°C to +70°C (Refer to "Derating curve")					
	Working Humidity	10-85%RH					
	Storage Temp., Humidity	-40°C to +105°C					
	Temp. Coefficient	0.03%/ (0-50°C)					
	Vibration	10-500Hz, 2G, 10min./1cycle, 60min.each along X, Y, Z axes					
SAFETY & EMC (NOTE 3.)	Safety Standards	UL62368-1, EN/EN62368-1, IEC62368-1					
	Isolation Voltage	I/P-O/P: 3000VAC I/P-FG(CASE): 2500VAC O/P-FG(CASE): 500VAC					
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: >100M Ohms/500VDC 25°C 70% RH					
	EMC Emission & Immunity	EN55011, EN55032 (CISPR32) CLASS B					
	ESD	IEC/EN 61000-4-2 level 4 Contact ±8kV/Air ±15kV					
	RF	IEC/EN 61000-4-3 level 4 lev3					
	EFT	IEC/EN 61000-4-4 level 4 4kV					
	Surge	IEC/EN 61000-4-5 level 4 line to line 2kV/line to ground 4kV					

OTHERS	MTBF	165K hrs min. MIL-HDBK-217F (25°C)
	Dimension	127*76.2*38mm (L*W*H)
	Weight	342g
	Package	24 PCS/Carton
	Carton Size	360*300*250mm
NOTE	1. All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.	
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.	
	3. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.	

Typical Characteristics Curve

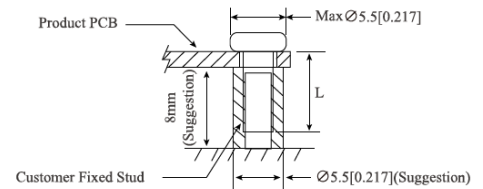


Mechanical Specification



Pin Method			
Connector	Pin	Function	Customer Connection End
CN1	1	AC(L)	Connector: JST VHR Connector Terminals: JST SVH-21T-P1.1 Or Equivalent Products
	2	No Pin	
	3	AC(N)	
CN2	1-4	+Vo	Connector: JST VHR Connector Terminals: JST SVH-21T-P1.1 Or Equivalent Products
	5-8	-Vo	
CN3	1	+12V	Connector: Kangdao 2.5XHS-2Y Connector Terminals: Kangdao-2.5XH-TE Or Equivalent Products
	2	COM	

Installation location	Screw Specifications	L (Suggestion)	Torque (max)
①-④	M3	6mm	0.4N·m



NOTE:

- Unit size: mm[inch] Unmarked tolerances: ± 0.5 mm
- CLASS I system: Mounting holes marked with \perp must be connected to safety earth
- CLASS II system: Unnecessary to connect with safety earth

Notes:

- If the product works under the minimum required load, it cannot guarantee that the performance of the product complies with all the performance indicators in this manual;
- The maximum capacitive load is tested under the input voltage range and full load condition;
- Unless otherwise stated, all indexes in this manual are measured at $T_a=25^{\circ}\text{C}$, humidity $<75\%\text{RH}$, nominal input voltage and rated output load;
- All index testing methods in this manual are based on the enterprise standards of the company;
- Our company can provide product customization, specific needs can directly contact our technical staff;
- AMCHARD reserves the right to make changes to the product at any time without notice.

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