

Features

1. Wide input range (90-305VAC, 100-430VDC)
2. Size 101.6*50.8*25.0mm, 4"*2"
3. Protection type: short circuit/over temperature/over load/over voltage
1. Operating temperature range -40°C to +70°C
2. 3000V isolation voltage
3. Suitable for CLASS II installations
4. 100% high temperature aging and testing
5. 3 years warranty

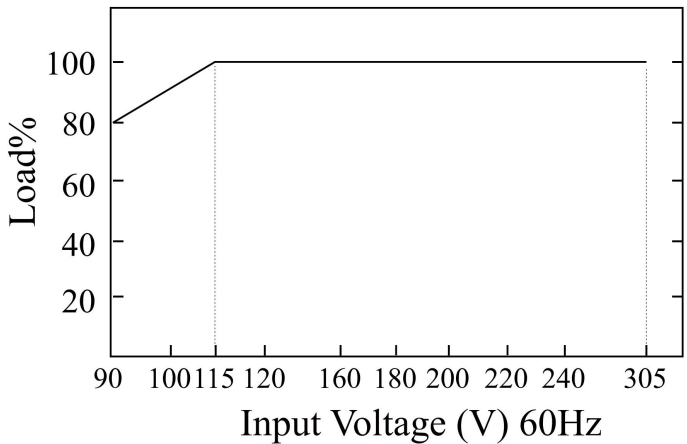
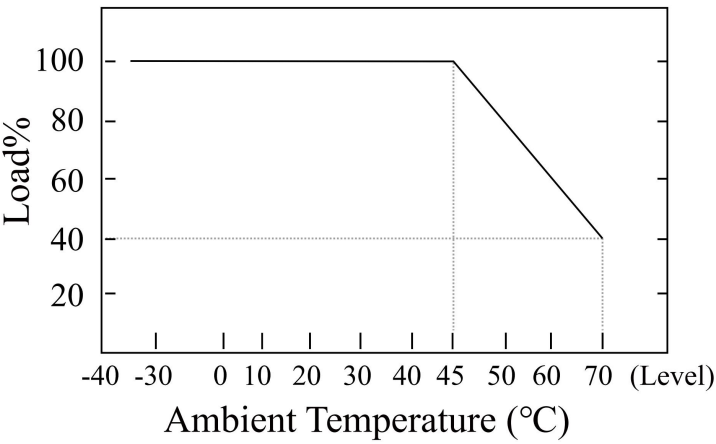


3 years
Warranty

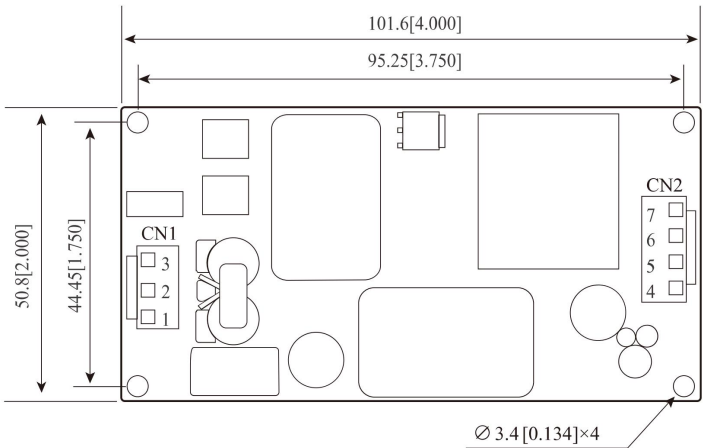
Selection Guide

Model	Input Voltage	Rated Power (W)	Output Voltage (V)	Output Current (A)	Ripple & Noise (mVp-p)	Efficiency (%)
ADS-100-05	90-305VAC 100-430VDC	60	5	12	120	82
		90	5	18(fan cooling)	120	74
ADS-100-12		100	12	8.3	120	88
ADS-100-15		100	15	6.6	150	90
ADS-100-24		100	24	4.16	240	90
ADS-100-27		100	27	3.70	240	90
ADS-100-48		100	48	2.08	240	90

Derating Curve

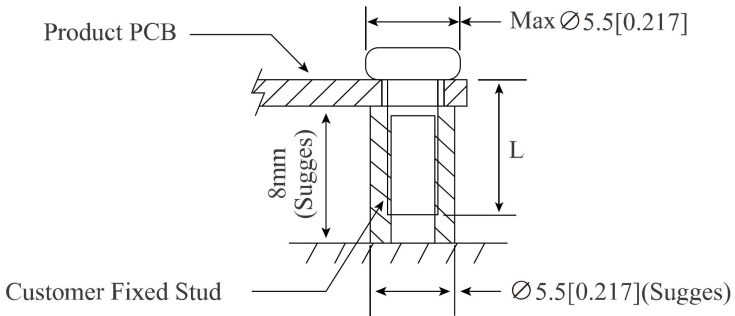
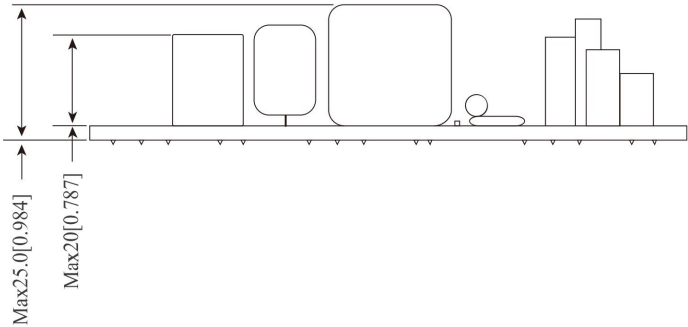


Dimensions & Function

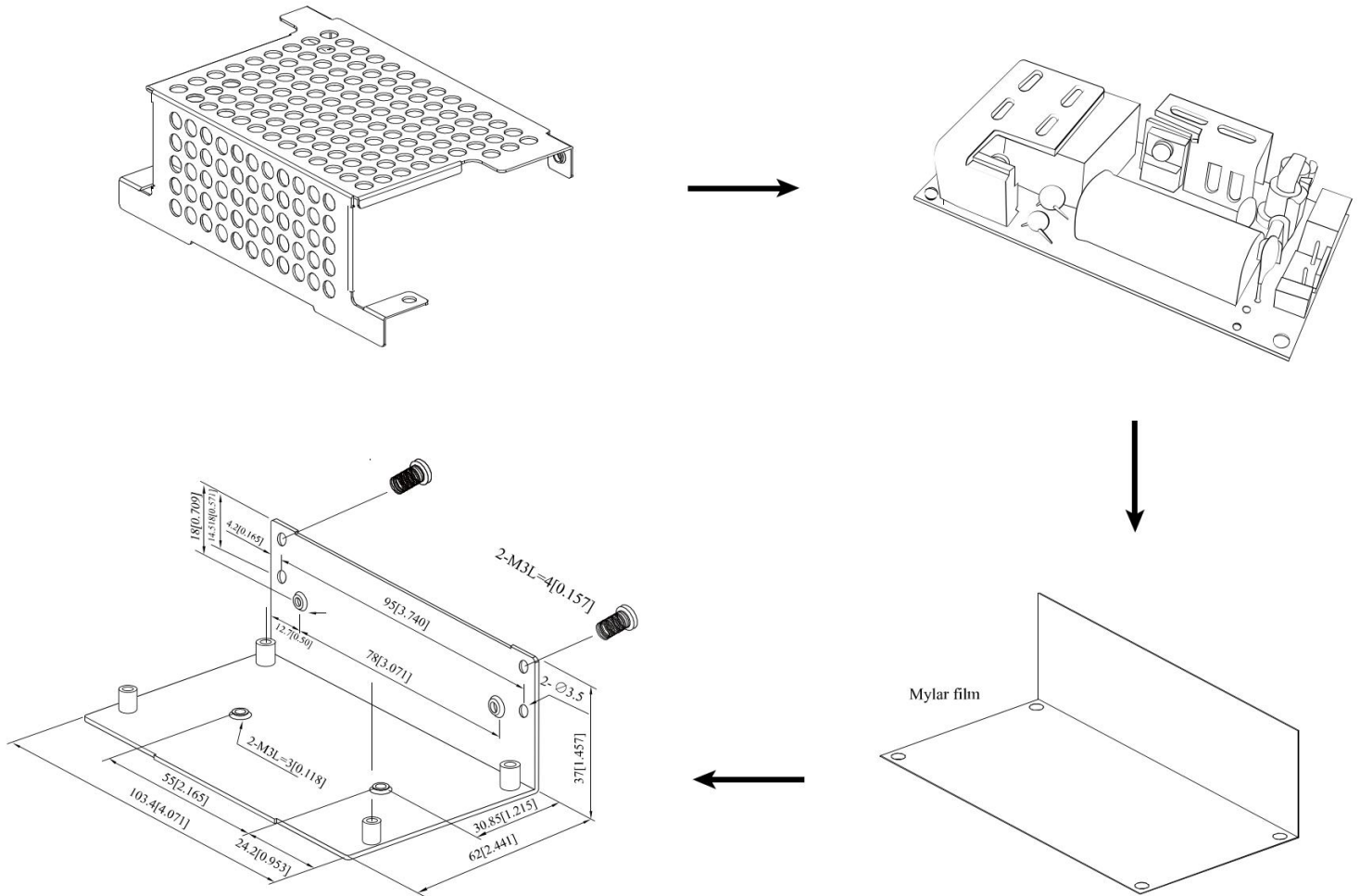


Pin Method			
Connector	Pin	Function	Customer Connection End
CN1	1	AC(N)	Connector:JSTVHR Connector Terminals:JST SVH-21T-P1.1 Or Equivalent Products
	2	No Pin	
	3	AC(L)	
CN2	4	-Vo	Connector:JST VHR Connector Terminals:JST SVH-21T-P1.1 Or Equivalent Products
	5	-Vo	
	6	+Vo	
	7	+Vo	

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



Enclosure type (C) package size



NOTE:

1. Unit size: mm[inch] Unmarked tolerances: $\pm 0.5\text{mm}$
2. CLASS II system: Unnecessary to connect with safety earth

Notes:

1. 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;
2. The maximum capacitive load is tested under the input voltage range and full load condition;
3. 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;
4. All index testing methods in this manual are based on the enterprise standards of the company;
5. Our company can provide product customization, specific needs can directly contact our technical staff;
6. AMCHARD reserves the right to make changes to the product at any time without notice.