

AMA SERIES

MIL-Grade Power Adapter

The MIL-grade power adapter is designed and developed indigenously to operate in harsh environments for defence and industrial applications for 24x7 operation. Minimum power dissipation due to high efficiency design. It meets the requirements of JSS 55555, MIL-STD-461E/F, and IP67. This product is developed for laptops, tablets, and other compatible Equipment.



Features

- ✓ Fully protected - OVP, OTP, OCP, UVLO.
- ✓ Can be used in Railway, Defense, Industry, Automation & automobile industries.
- ✓ Designed to meet MIL-STD 461E/F, JSS55555 & MIL-STD810F.

Specifications

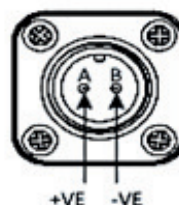
Input Specifications	
Input Voltage	90-270 VAC
Frequency	50/60 Hz
Output Specifications	
Voltage (VDC)	5,12,18,24,36,48
Output Power (W)	120
Output Ripple and Noise (add a 0.1uf ceramic capacitor and 10uf aluminium capacitor to output at measuring point)	< 1%
Efficiency at Full Load	
At 220 VAC input	93%
At 110 VAC input	90%

General Specifications	
Operating Temperature (derating at 60°C from 100% to 60% power)	-35°C to 85°C
Storage Temperature	-40°C to 105°C
Isolation Voltage (Input - Output)	3 kV AC
Isolation Voltage (Input - Earth [Case])	1.5 kV AC
Isolation Voltage (Output - Earth [Case])	0.5 kV AC
Humidity (Non-Condensing) (%)	5 - 95 %
Mechanical Specifications	
Enclosure Type	IP67 sealed
Mounting	Panel/chassis mount
Enclosure Material	Aluminium
Dimensions (mm)(refer mechanical drawings)	165 x 75 x 45

Connector Pin Details:



Input

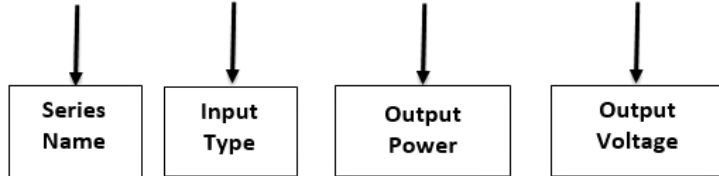


Output



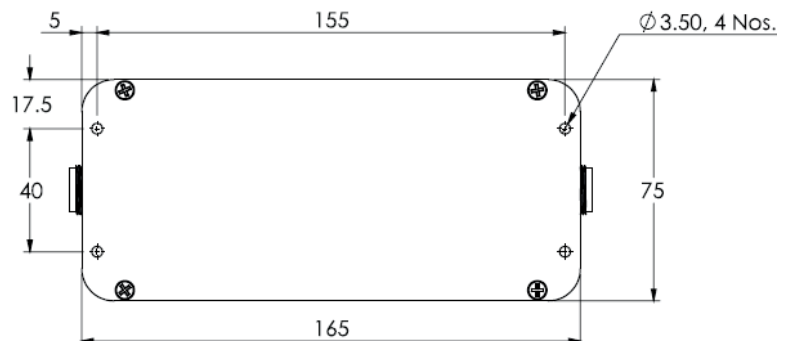
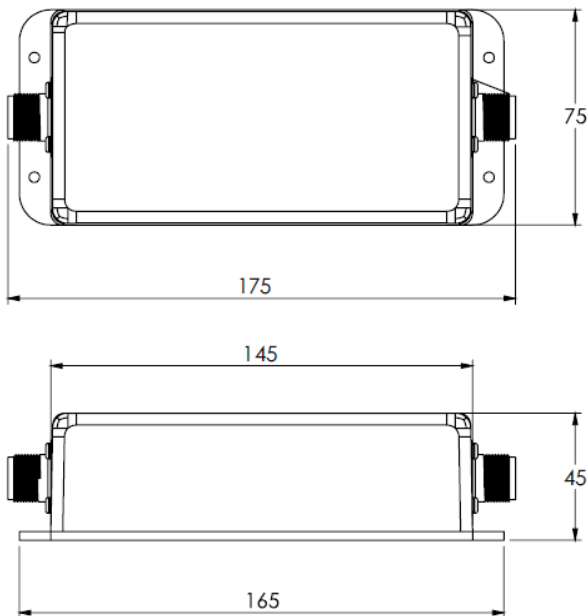
Ordering Information & Sample Order Code:

AMA - AC - 120W - 24



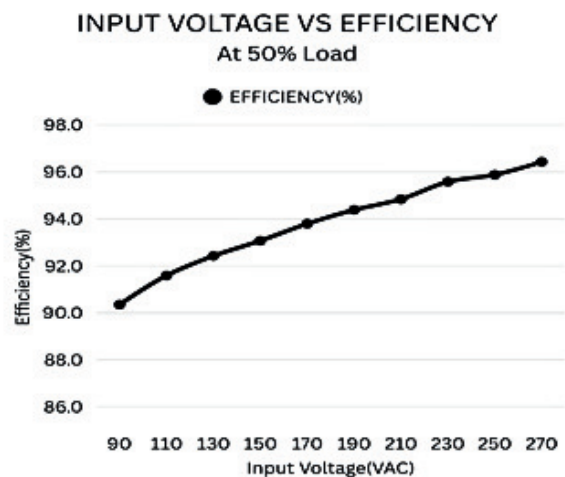
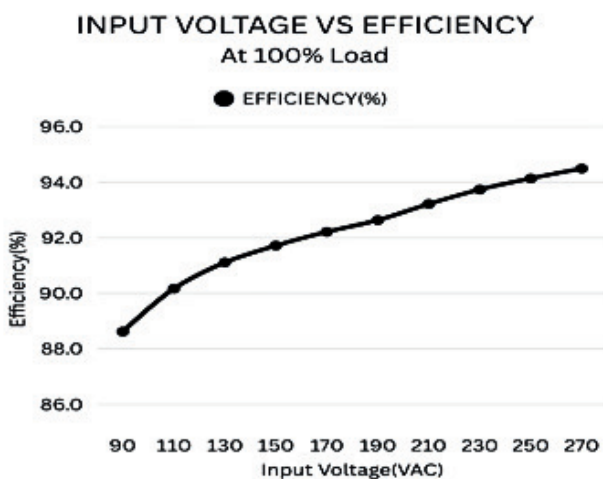
Series Name	Input Type	Output Power(W)	Output Voltage(V)
AMA	AC	120 , 090 , 065	05 , 12 , 18 , 24 , 36 , 48

Mechanical Drawings:



NOTE: All dimensions are in mm & subject to a tolerance of ± 2 mm.

Plotted Graphs:



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