



Medical Power Supply Series

Compact Size · High Isolation · Ultra-Low Leakage Current · Global Certifications

Product View

AMCHARD Medical Power Supply series offers DC-DC 1-2W and AC-DC 10-250W, including both open frame and module type products. Featuring compact size, ultra-low leakage current (75 μ A), 4kV isolation voltage, low no-load power consumption. Fully complies with IEC/EN60601-1, UL60601, and EMC standards. Ideal for medical application requirements



DC-DC 1-2W



AC-DC 10-30W



Open Frame 45-250W

Key Features

Medical-Grade Safety

- Compliance with 2xMOPP (Patient Protection Measures) for MP/MPR series
- Certified to IEC/EN60601-1, UL60601, and other medical safety standards
- High Isolation Voltage: 4kVAC (Input to Output)

EMC Performance

- EMC Standards: CISPR32/EN55032, IEC/EN61000-4 series
- Built-in EMI Filter with CLASS B conduction compliance

Wide Operating Temperature & Derating Protection

- Operating temperature range: -40°C to +85°C
- Temperature & Input Voltage Derating Curves provided
- Protection Features: Overload, Overvoltage, Short Circuit, Overtemperature

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Key Features

High Efficiency & Low Power Consumption

- No-load power consumption as low as < 0.1W
- Efficiency up to 92%
- Cooling: Natural convection or temperature-controlled fan

Flexible Configuration & Options

- Built-in potentiometer for adjustable output voltage $\pm 10\%$
- Conformal coating for enhanced protection against moisture, dust, and corrosion
- Auxiliary Fan Supply: 12V/0.4A or 0.5A
- Customization Available, Agile Market Response.

Product Series Overview

Series	Power(W)	Isolation Voltage	Package Type	Input Voltage Range	Output Voltage Range(V)	Dimension(mm)
AMG_S-1W/2WR3	1-2W	5KVAC 6KVDC	Module	3.3,5,12,15,24 DC($\pm 10\%$)	$\pm 3.3, \pm 5, \pm 9, \pm 12,$ $\pm 15, \pm 24$	19.5*9.8*12.5
AMH_S-1W/2WR3	1-2W	5KVAC 6KVDC	Module	3.3,5,12,15,24 DC($\pm 10\%$)	5,9,12,15,24	19.5*9.8*12.5
QH10-23BxxMU	10	4000	Module	85-305VAC	5,9,12,15,24	45*25.4*15.5
QH15-23BxxMU	15	4000	Module	85-305VAC	5,12,15,24,48	62*45*23
QH20-20BxxMU	20	4000	Module	85-264VAC	5,9,12,15,24	54.5*29.2*23.6
QH25-20BxxMU	25	4000	Module	85-264VAC	5,12,15,24,48	70*48*23.5
QH30-20BxxMU	30	4000	Module	85-264VAC	9,12,15,24	54.5*29.2*23.6
ADS-45-XXMU	45	4000	Open Frame	85-264VAC	5,12,15,24,36,48	76.2*50.8*28
ADS-65-XXMU	65	4000	Open Frame	90-305VAC	5,12,15,24,36,48	76.2*50.8*27
ADF-120-XXMU	120	4000	Open Frame	90-264VAC	12,15,24,27,36,48	101.6*50.8*32
ADF-250-XXMU	250	4000	Open Frame	90-264VAC	12,15,24,27,36,48	101.6*50.8*32



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