

**JASPER
ELECTRONICS**

*Innovative Specialty
DC Power Systems*

HEMG24

Green-Mode Desktop AC Adapter

20W



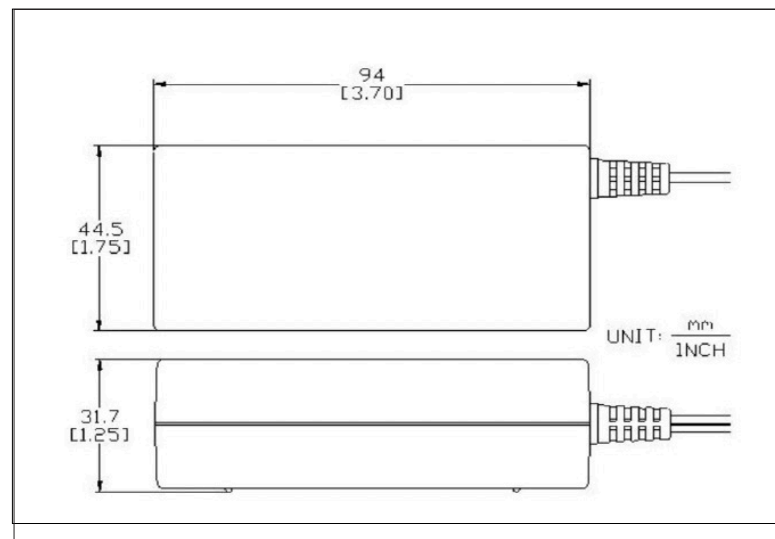
GENERAL OVERVIEW

Jasper's Medical Power Supplies are available from 4.5W-310W, with both fixed and detachable I/O cords options. Standard and Custom configuration Medical IEC Adapters are also available. Please see below for specifications and available options.

FEATURES INCLUDE:

- Three Types of AC Input Pin Option
- Wide Range AC Input
- Level B EMI Filter
- Fully Enclosed Plastic Case
- Fully Regulated Output
- High Efficiency
- High Quality
- Energy-Efficiency VI

MECHANICAL DRAWING



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ISO9001:2015

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INPUT SPECIFICATIONS		HEMG24
Voltage (VAC)		100-240VAC
Frequency		47-63Hz
Efficiency		>84% (115VAC)
Current (AAC)		0.7A Max.
Inrush Current (AC230V)		80A
OUTPUT SPECIFICATIONS		HEMG24
Voltage (VDC)		12V Typical
Voltage Range (VDC)		11.4-12.6V
Current (ADC)		1.66A
Current Range (VDC)		0-1.66A
Power (Watt)		20W
Ripple & Noise (mVp-p)		240mV Max.
Line Regulation		2%
Load Regulation		5%
PROTECTION		
Overcurrent		3A Max.
Short		Auto Recovery
Overvoltage		18V Max.
ENVIRONMENTAL		
Operation Temperature		5 to 40°C (at Full Load Condition)
Operating Humidity		10% to 90% Rh
Storage Temperature & Humidity		-20 to 65°C, 5-95% Rh
SAFETY		
Safety Approval		EN60950-1
Hi-Pot		I/P-O/P: 3K VAC
Isolation Resistance		>50MΩ
OTHERS		
MTBF		>50,000 Hrs. MIL-STD-217F(25°C)
Size		94 x 44 x 31.7 mm (L x W x H)

*Specifications subject to change without notice.

INNOVATIVE SPECIALTY DC POWER SYSTEMS

Standard and Custom Power Supplies from 5W to 10KW

TRAFFIC CONTROL POWER SUPPLIES



- 70-400+ Watts / 120 and 220 VAC Models Available
- CALTRANS TEES, NYSDOT, CDOT, GDOT Compliant for 332, 334, 336, 342, 344, and 346 Series cabinets
- RoHS and NEMA Compliant
- Custom labeling and barcoding available
- Ruggedization against shock / vibration / humidity available

CUSTOM POWER DISTRIBUTION ASSEMBLIES (PDAs)



- Compliant with TEES 2020
- 1U smaller than the PDA2-LX and PDA3-LX
- User accessible slots as specified
- Custom labeling and barcoding available
- Ruggedization against shock / vibration / humidity available

COMPACT PCI



- AC or DC input, 175W - 500W DC output, active PFC
- 3U x 8HP, 6U x 8HP sizes
- PICMG 2.11 compliant, UL/CSA, NEMKO/TUV/CE certified, ROHS compliant
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Industrial Computing, Military, Satellite Comm, Test, Transportation, Telecom, Aerospace

SPECIALTY HOT-SWAPPABLE POWER SUPPLIES



- 200-1500W, Universal Input, 5-54VDC Output
- Hot Swap. N+1, 90+% Efficiency
- 1U Form Factors
- 30+ Variations for Various Applications Including Nuclear
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics

RACK POWER SYSTEMS



- 200W-1500W, 2-8 slots, single or mixed output voltages, up to 10KW total
- Single, dual, or individual unit AC or DC input
- Internally or externally redundant DC outputs
- Standard 19" and 23" size or user-specified configurations also available
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics

CUSTOMS & MODIFIED STANDARDS



- 75W-2KW
- Single to 7 outputs
- Designed and built to custom or semi-custom specifications
- Ruggedization against shock/ vibration/ humidity optional
- Custom electrical specs, chassis, paint, labeling, connectors, interface all available

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics

LOW NOISE CONVECTION / CONDUCTION COOLED POWER SUPPLIES



- 200W-500W, 90—264VAC full range input with 12-54 VDC Output
- Wide operating temperature range / high efficiency
- Small form factors
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, IT, Sensitive Electronics

MEDICAL ADAPTERS



- 6W-250W, Efficiency levels V & VI
- Desktop, Wall-mount, and Interchangeable AC plug types
- Large selection of output connectors – additional cable lengths available
- UL60601 (medical) approved adapters available
- Ruggedization against shock/ vibration/ humidity optional

