

Tri-Mag Power Supplies



Guaranteed Forever!

HOW?

Tri-Mag, a division of Curtis Industries, now offers a **lifetime warranty** on power supplies for industries where durability is critical, and failure is not an option.

Most providers in the industry offer a 2-year warranty. In a recent trade journal, one company touted its 5-year warranty, a boast the company could only make because of its “superior” quality – no specifics.

Industry Standard
= 2 Years

When asked how Tri-Mag is able to provide a lifetime warranty, Tri-Mag founder Jia-Ming Li stated:

It's all part of our quality control process.

We start with the very best components. Then we use the optimum topology and PC board layout for the most heat distribution and the least noise generation. The less heat a power supply emits, the more desirable it is nowadays.

We also pay attention to details. For instance, some manufacturers don't crimp or bend the lead on the soldered side. But we always do. Otherwise, it is too easy to come out.



Jia-Ming Li

Something so simple that takes just a moment, yet allows Tri-Mag to guarantee its power supplies. Forever.

With the trend toward higher efficiency and durability, Tri-Mag's **lifetime warranty** takes on added value.

“Our customers recognize it is less expensive in the long run,” says Curtis President, Steven Powers. “Better to do it right the first time than to have to go back and replace a whole power supply because one tiny part came loose.”

Applications

When Reliability and Performance are Critical

Designed to meet the highest industry standards. From standard open-frame and ATX power supplies, to custom power solutions for your individual needs.

Find high efficiency, low cost power supplies at Tri-Mag

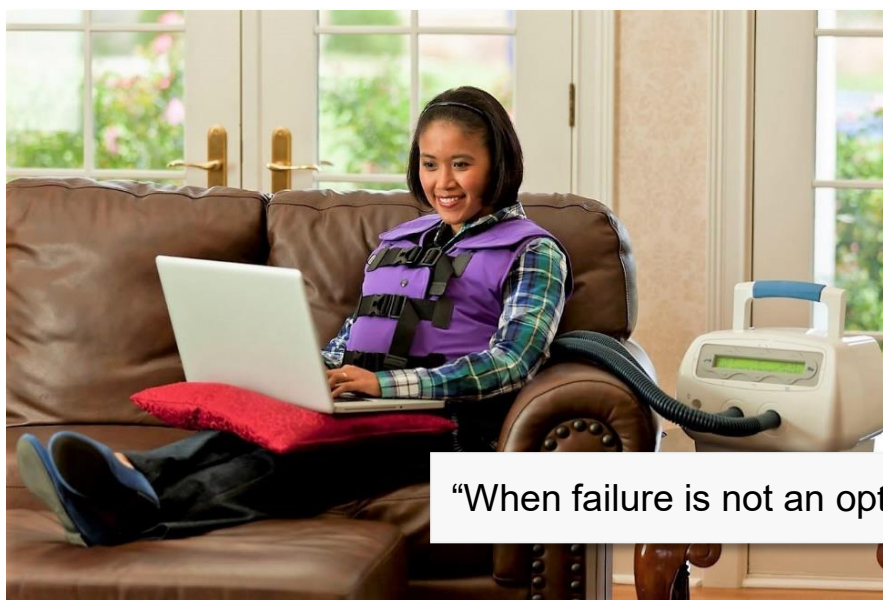
- Computer Peripherals
- Casinos and Gaming
- Machinery
- LED Lighting
- Medical
- Military
- TeleCom
- Instrumentation

Open-Frame Power Supplies

DZ Series
DG Series
DY Series
DV Series
DP Series
DHF Series

Enclosed Power Supplies

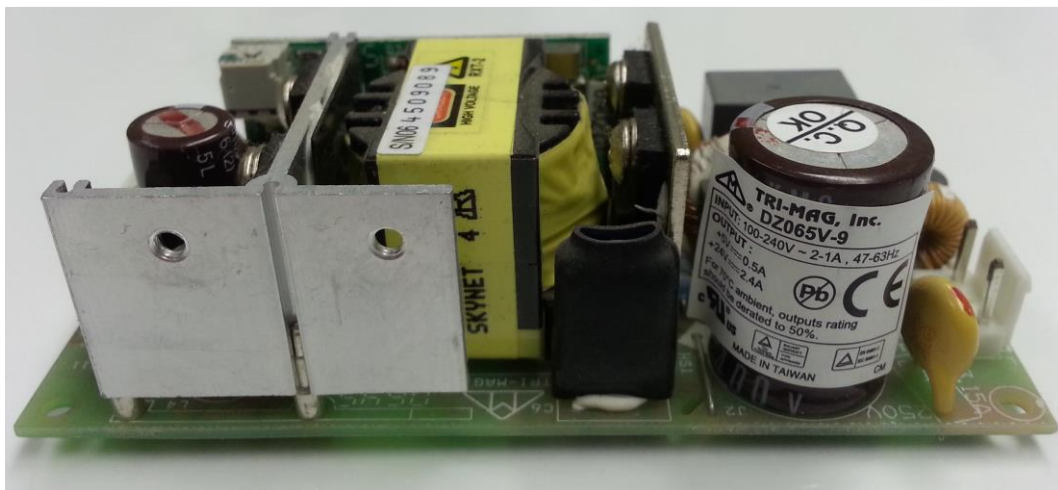
F Series



“When failure is not an option”

DZ Series

DZ065
DZ080
DZ100
DZ150
DZ200
DZ300



Packed with Power

Ideal for

- Computer Peripherals
- Data Acquisition
- Telecommunications
- Medical Applications

A high-efficiency, high-density power supply that offers 65W to 300W

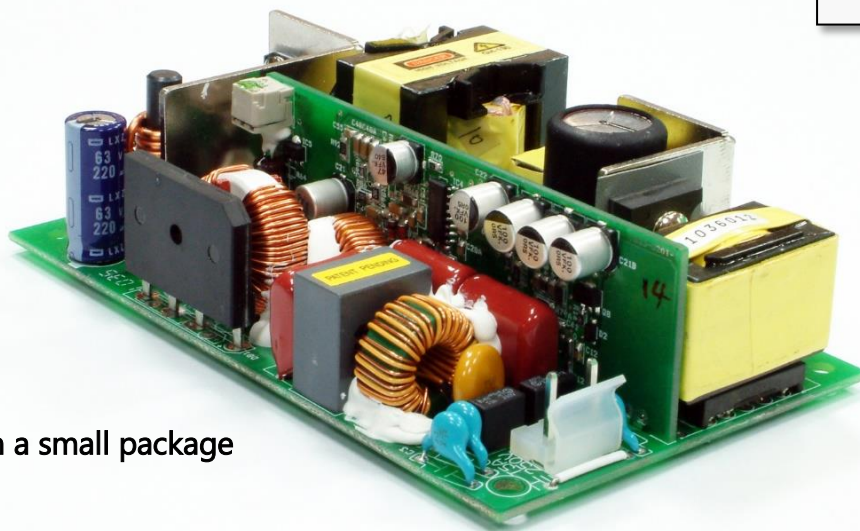
- Active PFC
- U shape Chassis
- Soft-Switching Topology



DZ300
300W at 50°C
Convection Cooled
4.2 W/in²
Low profile of just 1.6"

DG Series

DG040
DG120
DG160
DG200
DG300



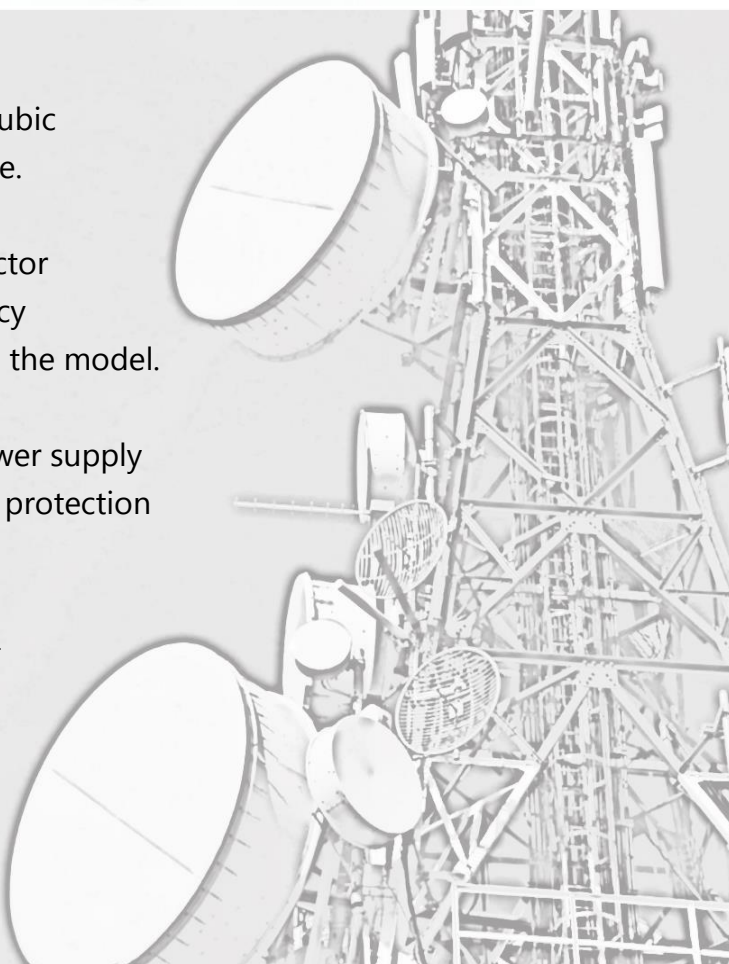
Big power in a small package

The DG Series delivers 5.4 Watts per cubic inch across a neat 4.2" x 8" x 1.5" frame.

Each unit has built-in Active Power Factor Correction which produces an efficiency between 89% and 91%, depending on the model.

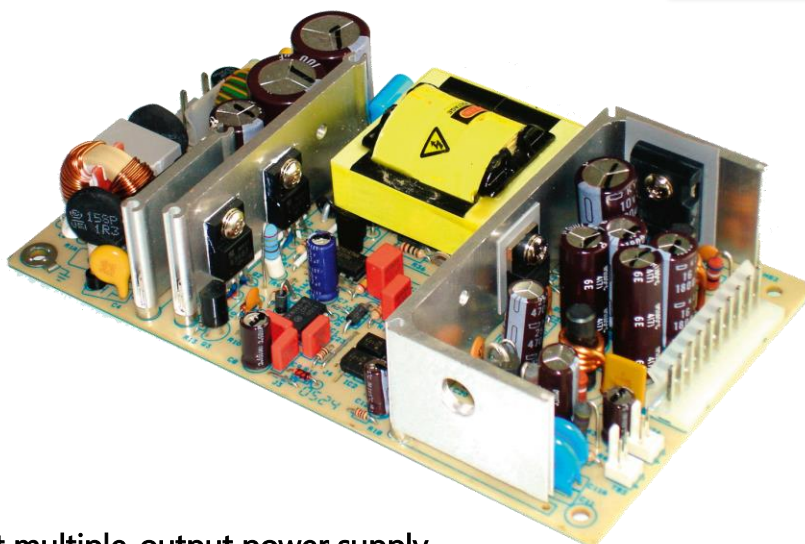
Power surges won't interrupt your power supply as this model comes with an overload protection of up to 150% rated load.

Ideal for information technology, telecommunications, and medical applications. The perfect choice for your mid-range power supply needs.



DY Series

DY040
DY060
DY075
DY110



A universal-input multiple-output power supply

A rugged power supply ideally suited for

- Computer Peripherals
 - Telecommunications
 - Test Instrumentation
 - Medical/Dental Applications
-
- 40 to 110 Watts of power
 - 2" x 4" to 3.5" x 6"
 - Wattage density 3.8W/in³ to 4.7W/in³
 - Efficiency up to 78-87% depending on model



DV Series

DV120
DV120M
DV300



300 Watt Open Frame Power Supply

DV300 Series

- 4"x 6"x 1.38"
- Rated at 300 Watts free-air convection cooling
- Up to 400 Watts with 33CFM forced air
- Available with an optional "U" frame (EU) or covered metal enclosure (EC)
- Ideal for kiosks, POS equipment, instrumentation, and medical applications

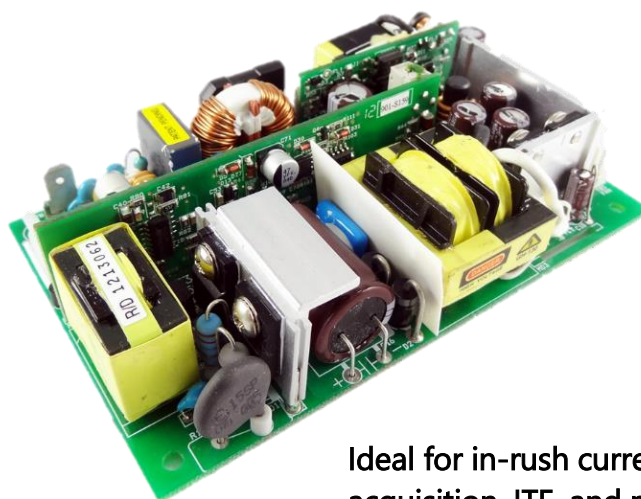
DV120 (ITE) and DV120M (Medical) Series

- 120 Watts free-air convection
- Up to 180 Watts with 10CFM forced air
- 2.39" x 4" x 1.28"
- 9.8 Watts per cubic inch
- Green Power Compliant DOE Level VI and ErP EC 1275/2008

Each series has a built-in Active Power Factor Correction with 90 percent efficiency

DP Series

DP150
DP300



Ideal for in-rush currents found in data acquisition, ITE, and medical applications

A low profile allows this little powerhouse to fit in even the tightest of spaces.

- Ultra-fast start-up
- Safety approved for ITE and Medical (MOOP and 2X MOPP) applications
- Expanded temperature range: -40°C to 70°C
- Eco-friendly design

DP150

150W (220W of peak power)
Open-Frame 3.0" x 5.0" x 1.07"

DP300

300W (600W of peak power)
U-frame 3.7" x 6.6" x 1.46"

F Series

TMG-F600
TMG-F800



TMG-F600 Series



TMG-F800 Series

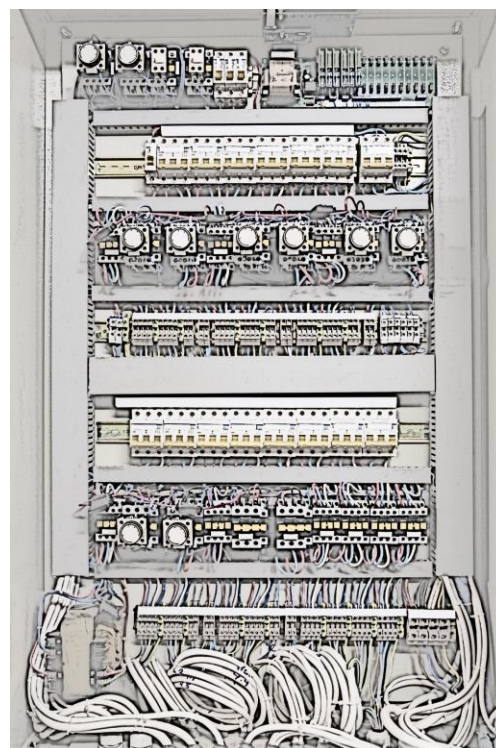
For "Mission Critical" Equipment

The F60 and F80 are universal input, single-voltage output, 600W and 800W switching power supplies with active Power Factor Correction (PFC). The TMG-F600 is a convection-cooled version of the forced-air cooled TMG-F800.

The overall size of the TMG-F600 is only 10.82" x 5.0" x 2.95" while the TMG-F800 is not much larger at 10.82" x 5.91" x 2.95".

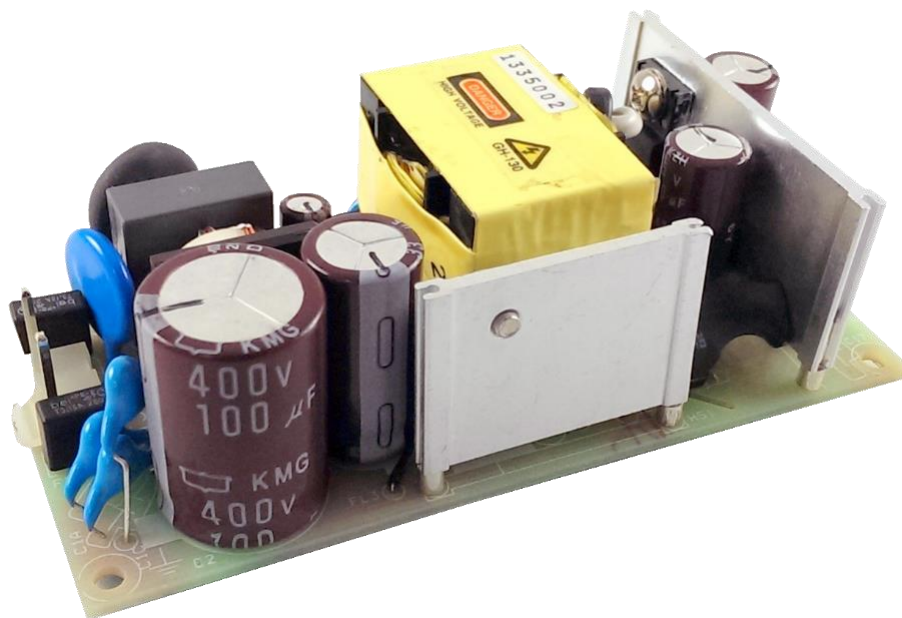
Both the TMG-F600 and TMG-F800 series are capable of 1000W of peak power. Both can be installed in either a vertical or horizontal orientation.

A DIN rail mounting option is also available.



DHF Series

DHF030
DHF060
DHF080
DHF100



An open-frame power supply ideal for motor start-up and in-rush currents common with ITE and Medical equipment (including MOOP and 2X MOPP applications).

- Eco-friendly design
- Level 6 compliant
- Operating Temperature Range: -40°C to +70°C
- Operating Altitude: 5,000m

DHF030 Series

30W (45W peak-power rating)
Open-Frame 1.57" x 2.76" x 0.9"

DHF060 Series

60W (90W peak-power rating)
Open-Frame 2.0" x 3.17" x 0.95"

DHF080 Series

80W (110W peak-power rating)
Open-Frame 2.0" x 4.0" x 1.12"

DHF100 Series

100W (150W peak-power rating)
Open-Frame 2.0" x 4.0" x 1.12"

Who We Are

Tri-Mag manufactures a full line of standard and custom power systems to the world.

- Power Supplies
- DC-DC Converters
- EMI/RFI Filters

Innovative Engineering Solutions for

- Appliances
- Aerospace
- Industrial
- Instrumentation
- Machinery
- Medical
- Military
- TeleCom

Every Curtis / Tri-Mag product is guaranteed to meet all FCC, UL, CSA and European standards for electronic components used in medical equipment



 **TRI-MAG**
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