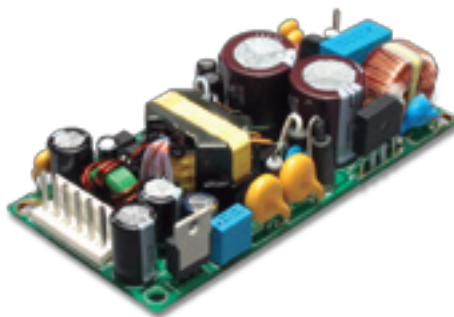


Power Supply Selection Guide



TM



Founded in 1967, International Components Corporation (ICC) is an established global developer and manufacturer of innovative power solutions for portable applications.

ICC leads the industry in designing and manufacturing rechargeable battery solutions, custom chargers, docking stations, and highly efficient power supplies marketed under the Elpac Power Systems™ brand name.

The company is committed to providing high quality, technologically advanced solutions to its partners in the medical, communications, handheld data, industrial, and consumer electronics markets.

Quality Manufacturing, Quality Products

ICC's reputation for quality and reliable products is proven with over 40 years of design and manufacturing excellence.

With 220,000 square feet (20,000m²) of manufacturing space, and a full suite of in-house design, tooling, and test capabilities, ICC is capable of managing complex programs from design to production across the globe.

Each facility is ISO 9001certified and manufactures products that are EISA, RoHS and CEC compliant.



→ Elpac Power Systems™

Elpac Power Systems is ICC's recognized brand of High Reliability, High Efficiency Power Supplies. ICC acquired Elpac Electronics in August 2005 adding outstanding products, people, markets, and customers to ICC's Rechargeable Systems business. The Elpac name, now marketed under the ICC identity, is a premier brand of reliable power solutions sold across a broad range of market segments including medical, data communications, IT, and industrial applications.



- 100% Burn-In & Demonstrated MTBF
- Field Failure Rates Below 50ppm
- 5 Year Warranty On Standard Models*



Worldwide Compliance

As a global supplier of power supplies, we are committed to meeting and exceeding efficiency standards and regulations around the world.

EU Code of Conduct Participant

We are an official signer of the EU Code of Conduct on Efficiency of External Power Supplies and manufacture our products to meet or exceed the stringent standards designated by the EU Code of Conduct.

Agency Approval

Our commercial (IT) power supplies are agency “listed” (not just “recognized”) and will not require resubmission. All commercial models comply with FCC class B, and CISPR 22 class B.

Our medical models also carry the requisite agency approvals including UL60601-1 (registered), CAN/CSA 22.2 No. 601.1-M90, IEC60601. These models all comply with FCC class B, and CISPR 11 class B.

RoHS, WEEE and EISA Compliant

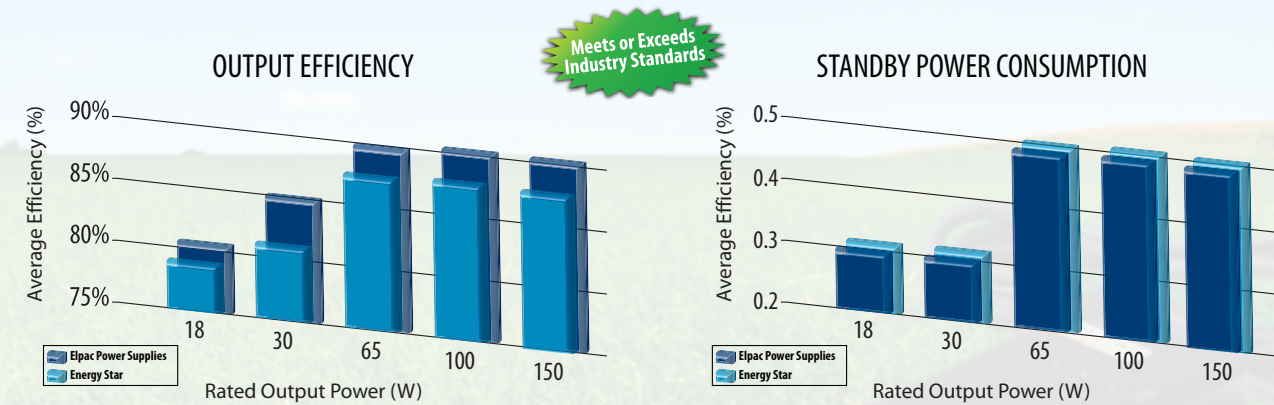
ICC fully supports the European directives on the Restriction of Hazardous Substances (RoHS) and on Waste Electrical and Electronic Equipment (WEEE). Additionally, ICC offers a full line of EISA compliant power supplies as mandated by the Energy Independence and Security Act of 2007.

ENERGY STAR Partner

Initiatives to reduce power consumption have emerged as a worldwide challenge and we are doing our part to enable device manufacturers to achieve their efficiency goals. That is why we have partnered with the ENERGY STAR program and engineer our Elpac Power Systems to meet strict energy-efficiency guidelines established by the EPA and the US Department of Energy (DOE).



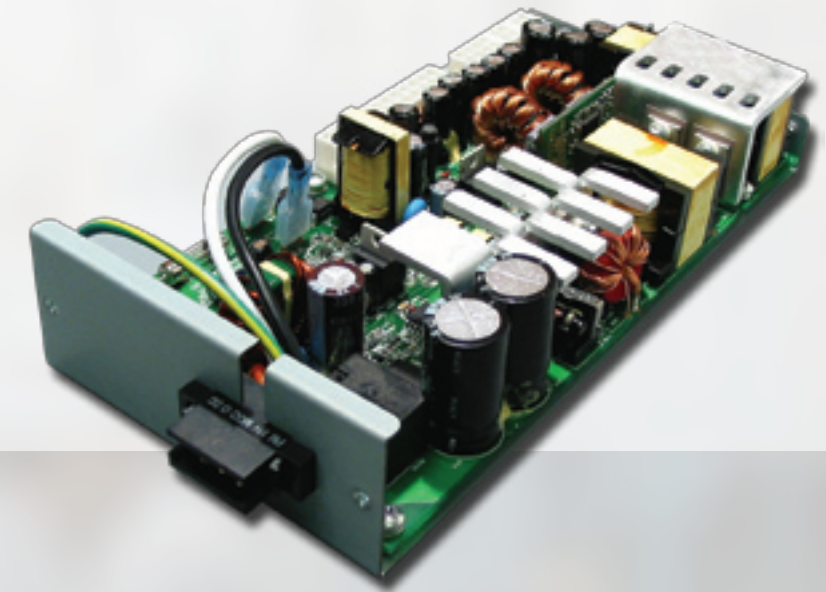
The ENERGY STAR program has developed International partnerships with countries and organizations in major global markets. Those participating in the program include Australia, Canada, the European Union, the European Free Trade Association, Japan, New Zealand, and Taiwan.





Custom Power Solutions

Our design engineers can design and deliver a 100% custom power supply to satisfy the most stringent requirements. With more than 40 years of experience in designing high quality supplies, we are able to work from a broad range of existing design platforms to deliver a customized solution with minimal development time. Our expert engineers utilize the latest topologies and employ conservative design standards to produce power systems that are highly efficient, compact in size, and of superior quality. The combination of high reliability, high efficiency, and innovative design has made our power solutions the preferred choice among major OEMs.



Custom Power Capabilities

- Custom Designs from 5-1500 watts
- DC and AC Inputs
- Single and Multiple Outputs
- Custom Mechanical Configurations
- High Power Densities (> 10W/in³)
- High Efficiencies (> 95% for single output)
- N+1 Redundancy
- Hot Swap Capabilities
- Microprocessor Control: I²C/IPM /SMBus/PMBus
- Ultra Low Noise Capabilities
- HALT/HASS Testing
- Demonstrated MTBF on all Designs

Modified Standard Solutions

In just 3 weeks

ICC has the capability to modify our standard power supplies to meet custom specifications. With a broad standard power platform, we can quickly deliver a modified power solution in as little as three weeks.

Modified options include:

- Custom Input Power Cords
- Custom Output Cord Lengths
- Custom Connectors
- Special Options Including Ferrite Cores and Overmolding
- Custom Imprinting and Labeling

Medical Desktop Series: Click Model for Details

Characteristics

- Wide Range AC Input
- Fully Regulated Output
- High Efficiency
- Output Floating
- RoHS Compliant*
- CEC Compliant*
- LED Indicator*
- Power Factor Correction*

Efficiency

- 80% - 92%*

EMC/EMI

- FCC Class B
- CISPR 11 Class B

Operating Temperature

- 0°C - 40°C

Safety Standards

- cRUus
- UL 60601-1
- CSA C22.2 No.601.1-M90
- CB per IEC 60601-1
- CE marked to LVD

*Varies by model. For detailed specifications, click on the model number.



Medical Open Frame Series: Click Model for Details

Characteristics

- Wide Range AC Input
- Fully Regulated Output
- High Efficiency
- Output Floating
- RoHS Compliant*
- CEC Compliant*
- Meets 1U Dimensions*
- Convection Cooled*

Efficiency

- 80% - 92%*

EMC/EMI

- FCC Class B
- CISPR 11 Class B

Operating Temperature

- 0°C - 50°C

Safety Standards

- cTUVus
- UL 60601-1
- CSA C22.2 No.601.1-M90
- CB per IEC 60601-1
- CE marked to LVD

*Varies by model. For detailed specifications, click on the model number.



Commercial / ITE Desktop Series: Click Model for Details

Characteristics

- Wide Range AC Input
- Fully Regulated Output
- High Efficiency
- Output Grounded
- RoHS Compliant
- CEC Compliant
- Power Factor Correction*

Efficiency

- 85% - 93%*

EMC/EMI

- FCC Class B
- CISPR 22 Class B

Operating Temperature

- 0°C - 40°C

Safety Standards

- cRUus
- UL 60950-1
- CSA C22.2 No.60950-1
- CB per IEC 60950-1
- CE marked to LVD

*Varies by model. For detailed specifications, click on the model number.



NEW

NEW

Commercial / ITE Open Frame Series: Click Model for Details

Characteristics

- Wide Range AC Input
- Fully Regulated Output
- High Efficiency
- Output Grounded
- RoHS Compliant*
- CEC Compliant*
- Meets 1U Dimensions*
- Convection Cooled*

Efficiency

- 80% - 92%*

EMC/EMI

- FCC Class B
- CISPR 11 Class B

Operating Temperature

- 0°C - 50°C

Safety Standards

- cRUus
- UL 60950-1
- CSA C22.2 No.60950-1
- CB per IEC 60950-1
- CE marked to LVD

*Varies by model. For detailed specifications, click on the model number.





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TM

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