CUI INC
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PRODUCT OVERVIEW

Ac-Dc Power Supplies & Dc-Dc Converters

POWER WHEN YOU NEED IT

At CUI, our focus is on improving the design process for the engineer. Along with our broad range of reliable ac-dc power supplies and dc-dc converters, we pride ourselves on being an approachable and collaborative manufacturer. We are committed to offering a diverse set of tools, information, and services to provide you power products when you need them.

Keeping You In Compliance

The global regulatory environment surrounding power supplies has rapidly evolved over the years, making it difficult for designers to keep up with the latest efficiency and safety standards. CUI continually monitors the current industry regulations to ensure that our diverse power portfolio is in compliance and you stay informed and up-to-date. Whether dealing with efficiency standards for external power supplies, medical safety standards, or safety regulations for ICT/AV equipment, you can ensure that your device will be one step ahead of global legislation with a CUI power supply.

New and Coming Safety Standards

- IEC 62368-1
- IEC 60601-1 4th Edition

The Latest Efficiency Standards

- DoE Level VI
- CoC Tier 2

Engineering Tools

Parametric Search

With thousands of ac-dc power supplies and dc-dc converters to choose from, utilize our online parametric search tool to quickly find and compare models based on your key specifications.

CAD Model Library

CUI's library of ready-made 3D models and PCB footprints helps to streamline the design process, saving you precious time and resources. Users can view and download files in all major mechanical CAD formats free of charge.

Resources

Highlighting practical and technical applications, CUI's resource library of videos, technical papers, and more provides engineers with a wealth of knowledge on power supply design.

View these and more helpful resources at www.cui.com/resources

Global Stock Availability

Our network of global distribution partners provides you with quick and easy access to thousands of our power supplies, ready to ship same day across the globe.

PRODUCT LINE

EXTERNAL AC-DC POWER SUPPLIES

3 ~ 250 W

- Multi blade, US blade & EU blade wall plug models
- C8 & C14 inlet desktop adapters
- Low no-load power consumption
- Full suite of safety approvals
- DoE Level VI & EU CoC Tier 2 compliant models
- GaN technology models available
- **+** Medical versions available
- ✂ Branding, mechanical, and electrical modifications

INTERNAL AC-DC POWER SUPPLIES

1 ~ 550 W

- Board mount, chassis mount & DIN rail models
- Encapsulated, open frame, metal case, u-frame & wire lead package types
- Efficiency up to 94%
- Compact, industry standard footprints
- Single and dual output available
- Universal input voltage range
- Full suite of safety approvals
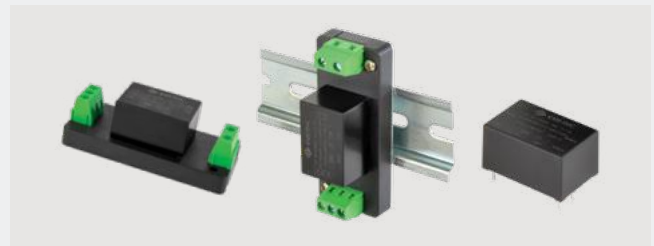- **+** Medical versions available

DC-DC CONVERTERS

Isolated

- SIP, DIP, SMT, chassis mount & DIN rail models
- Input ranges up to 10:1
- Efficiency up to 93%
- Single, dual & triple outputs
- Unregulated & regulated outputs
- Up to 6 kVdc isolation

Non-Isolated

- 0.3 ~ 20 A
- Efficiency up to 97%
- Compact packages
- SIP & SMT package types
- Pin compatible with TO-220 package
- Wide input voltage ranges

FILTERS

Ac-Dc & Dc-Dc Models

- 20 & 30 dB ac-line filtering
- 3 ~ 25 A & 30 ~ 75 W dc-line filtering
- Board mount, chassis mount & DIN rail models
- IEC/EN61000-4 compliant
- CISPR22/EN55022 compliant
- Up to 1.5 A nominal input current
- Wide input voltage range
- High efficiency up to 98%
- Operating temperature ranges up to -40 ~ 100°C

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