



APPLICATIONS

Featuring a nominal input voltage of 8,5V to 36V DC and four stabilised outputs, EMTrust's 3U, 12TE CompactPCI power supply units are fully compliant with the latest CompactPCI specifications and are compatible with the EMTrust PSU for mobile or rugged applications.

- ▶ Rugged Embedded Systems
- ▶ Instrumentation
- ▶ Robotics
- ▶ Industrial Control and Automation
- ▶ Maintenance-Free Systems
- ▶ Traffic and Transportation
- ▶ Measurement & Control

ICP-PSU-DC60

60W Modular DC/DC Power Supply Unit



ICP-PSU-DC60

FEATURES

- ▶ Dedicated CompactPCI PSU
- ▶ 60W continuous load output
- ▶ Fully protected stabilized outputs
- ▶ Automatic failure recovery
- ▶ EMI filtered
- ▶ Full safety compliance
- ▶ LED status and power indication

BENEFITS

- ▶ Open standard architecture
- ▶ Service & user friendly
- ▶ 19" cassette for improved maintenance
- ▶ Long-term product availability





ICP-PSU-DC60

PSU

OVERVIEW

All outputs are individually protected against overload, short circuits and over temperature conditions, and are capable of automatic recovery once the fault condition is rectified.

The PSU is designed for compliance with EN60950 safety standards, and can deliver up to 70W output at environmental temperatures up to 50°C.

SPECIFICATION SUMMARY

- ▶ 4 regulated DC outputs
- ▶ Fully protected
- ▶ Passive cooling
- ▶ Status LEDs
- ▶ Extended operational temperature
- ▶ High MTBF
- ▶ Rugged 3U cPCI format

SPECIFICATIONS

INPUT VOLTAGES

24V DC (nom.); 16.8V to 36V

FUSE

2.5AT (external)

OUTPUT

- ▶ Ua1 +3.3V, 1%, 5A
- ▶ Ua2 +5.1V, 1%, 7A (10A max.)
- ▶ Ua3 +12V, 5%, 1A
- ▶ Ua4 -12V, 5%, 0.25A

TURN-ON

< 500ms

PROTECTION

Continuous short-circuit protection with auto recovery

COMPATIBILITY

Compatible with EMTrust UPS

POWER

60W @ +50°C (passive cooling)

EFFICIENCY

80% (typ.) at max. load

CONNECTORS

DIN EN 60603 (DIN 41612) M-connector

DERATING

36W @ +70°C;
18W @ +85°C

STATUS LEDS

+3.3V, +5.0V, +/-12.0V (yellow)

MASS

750g

OPERATING TEMP

0°C to +70°C

EXTENDED TEMP

-40°C to +85°C
(derating > 50°C)

STORAGE TEMP

-40°C to +85°C

CLIMATIC CLASS

EN60654-1 Class B2

HUMIDITY

5% to 95% @ 40°C
(non-condensing)

SAFETY

- ▶ EN60950
- ▶ Protection Class I
- ▶ Overvoltage Category II
- ▶ Pollution Degree 2

EMISSION

EN55022 Limit A

IMMUNITY

- ▶ EN 61000-6-2
- ▶ EN 61000-4-2
- ▶ EN 61000-4-4
- ▶ EN 61000-4-5
- ▶ EN 61000-4-11

RAILWAY

EN 50155

ORDERING INFORMATION

PRODUCT	DESCRIPTION
ICP-PSU-DC60-t	24V DC/DC, switched-mode PSU with M power connector. The DC/DC PSU meets EN50155 for mobile applications.
KEY:	t- Temp. Range 0 = 0°C to +70°C 1 = -40°C to +85°C



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