



APPLICATIONS

Featuring a DC input voltage of 16,8V to 36V DC and four stabilised outputs, EMTrust's 3U, 10TE CompactPCI power supply units comply to the CompactPCI specification and are also available for extended operating temperature ranges.

- ▶ 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	CONNECTORS DIN EN 60603 (DIN 41612) M-connector	HUMIDITY 5% to 95% @ 40°C (non-condensing)
FUSE 2.5AT (external)	DERATING 36W @ +70°C; 18W @ +85°C	SAFETY ▶EN60950 ▶Protection Class I ▶Overvoltage Category II ▶Pollution Degree 2
OUTPUT ▶Ua1 +3.3V, 1%, 5A ▶Ua2 +5.1V, 1%, 7A (10A max.) ▶Ua3 +12V, 5%, 1A ▶Ua4 -12V, 5%, 0.25A	STATUS LEDES +3.3V, +5.0V, +/-12.0V (yellow)	EMISSION EN55022 Limit A
TURN-ON < 500ms	MASS 750g	IMMUNITY ▶EN 61000-6-2 ▶EN 61000-4-2 ▶EN 61000-4-4 ▶EN 61000-4-5 ▶EN 61000-4-11
PROTECTION Continuous short-circuit protection with auto recovery	OPERATING TEMP 0°C to +70°C	RAILWAY EN 50155
COMPATIBILITY Compatible with EMTrust UPS	EXTENDED TEMP -40°C to +85°C (derating > 50°C)	
POWER 60W @ +50°C (passive cooling)	STORAGE TEMP -40°C to +85°C	
EFFICIENCY 80% (typ.) at max. load	CLIMATIC CLASS EN60654-1 Class B2	

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



www.emtrust.de

EMTrust GmbH
Gewerbering 1
85258 Weichs
Germany

Tel.: +49 8136 80 677-800
Fax: +49 8136 80 677-809
sales@emtrust.de

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