

connectPower PRO DC/DC Converter

Innovative Products for Industrial Automation

Power PRO DCDC

The integrated ORing MOSFET reliably decouples possible internal short circuits. It allows direct parallel connection of ACDC and DCDC converters of the PROtop series for redundancy purposes or to increase power. This makes the use of the otherwise common diode or redundancy modules obsolete. Furthermore, PROtop DCDC converters feature the powerful DCL technology – and their communication module allows full data transparency and remote control.

HazLoc Ready

Class I Div 2 and ATEX Certification

Robust

-25°C to +70°C (Start-Up: -40°C)
MTBF greater than 1M hrs.

Energy Saving

High efficiency (up to 94%)

Space Saving

Up to 30% space in the cabinet

Power Boost

More than 600% * I_N for 16ms

Remote Monitoring

Status relay and transistor outputs



Infrastructure

Ship Building

Oil & Gas

Chemical/Pharmaceutical

Water Treatment

Automotive

Machine Tools

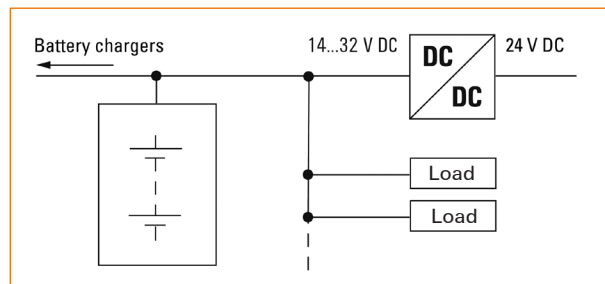


Weidmüller 

Applications

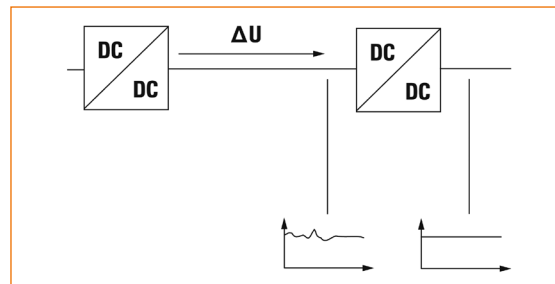
Stable 24 VDC Supply

The DC/DC converter compensates for voltage fluctuations, which may result from unregulated power supplies or voltage drops due to long distances or noise.



Floating Earth Systems

Class III DC/DC converters are well suited for use in floating-earth systems, such as applications that use emergency-power batteries in parallel operations.



Product Type

The following products are available:

Type	Input Voltage Range	Output Voltage Range	Output Current	Power	Part Number
PRO DCDC 120W 24V 5A	18 - 32V	22.5 - 29.5V	5A @ 24V	120 W	2001800000
PRO DCDC 240W 24V 10A	18 - 32V	22.5 - 29.5V	10A @ 24V	240 W	2001810000
PRO DCDC 480W 24V 20A	18 - 32V	22.5 - 29.5V	20A @ 24V	480 W	2001820000

Additional Weidmüller DC/DC converters:

Type	Input Voltage Range	Output Voltage Range	Output Current	Power	Part Number
CP-DCDC 12VDC IN/24VDC, 2A OUT	10.2 - 16 VDC	22 - 24 VDC	2A	50 W	9919371224
CP-DCDC 12VDC IN/15VDC, 3A OUT	10.2 - 16 VDC	15 VDC	3A	50 W	9919371215
CP-DCDC 12VDC IN/12VDC, 3A OUT	10.2 - 16 VDC	12 VDC	3A	50 W	9919371212
CP-DCDC 12VDC IN/ 5VDC, 8A OUT	10.2 - 16 VDC	5 VDC	8A	50 W	9919371205
CP-DCDC 24VDC IN/15VDC, 3A OUT	18 - 30 VDC	15 VDC	3A	50 W	9919372415
CP-DCDC 24VDC IN/12VDC, 3A OUT	18 - 30 VDC	12 VDC	3A	50 W	9919372412
CP-DCDC 24VDC IN/ 5VDC, 8A OUT	18 - 30 VDC	5 VDC	8A	50 W	9919372405

Accessories

Type	Description	Part Number
CP DM 10	Diode module 10A for redundancy power	8710620000
CP M DM 20	Diode module 20A for redundancy power	1222210000
CP DC UPS 24V 20A/10A	DC UPS for 10A/20A	1370050010
CP DC UPS 24V 40A	DC UPS for 40A	1370040010

Information

Information is available for download on the web at www.weidmuller.com/powersupplies

Ref. No.	Description
LIT1606	connectPower PRO DC/DC Converter Datasheet

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