



DC/DC CONVERTER CENTER

EDC-DC

Modular DC/DC converter center

-  Efficiency up to 96 %
-  Compact design
-  EVF monitor with LED alarm indicators

Typical applications:

- power plants
- electrical substations
- process industry



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Electrical Characteristics

Input voltage DC	110-220 Vdc
DC voltage input tolerance	-15 ... +30 % Vdc
DC output	24 Vdc, 48 Vdc
Output setting range	1 ... 1,2 xUn
Output stability	0,5 %
Output power	10 kW
Efficiency	24 V 94 %, 48 V 96 %

Environment

Ambient temperature	0...+40°C
Relative humidity	95 %, non-condensing +20°C
Altitude above sea level	<1000 m

Enclosure

Dimensions	2150 x 800 x 600 mm (HxWxD)
	2150 x 600 x 600 mm (HxWxD)
Degree of protection	IP21
Basic colour	RAL 7016
Cooling method	AN

Key features

Input switching	DC-AC / AC-DC, <2 ms
Main input selection	AC or DC
Output short-circuit current	2,1 xIn, 15 s

Optional features

Input switching (automatic/manual)
Redundant output power
Analogue V/A meters
Fused distribution outputs
Measuring transformers
Halogen-free components
L+ or L- grounded system
Ground fault monitoring

Basic Interface and Monitoring

EVF monitor with LED indicators
Digital voltage / current meter
Potential-free relay outputs

Standards

Electrical / Structure	IEC 61439-2
EMC	IEC 61000-6-2, IEC 61000-6-4, IEC 61000-6-5



The device does not incorporate a digital element as defined under EU regulation. Therefore it is suitable for use in applications with stringent cybersecurity requirements. For cybersecurity related inquiries, and reporting vulnerabilities or incidents, please contact cert@ellego.fi