



EAC INVERTER CENTER

EAC - Inverter Center

Modular inverter center

Options include parallel-connectec modules or separate modules equipped with a bypass switch.

-  Dual input (AC & DC) with wide input voltage range
-  Input switching between AC and DC in less than 2 ms
-  Efficiency up to 96 %
-  Compact design
-  Hotswap modules

Applications:

- power plants
- substations
- industry
- hospitals
- public buildings





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Electrical Characteristics

Input voltage DC	24...220 Vdc
DC voltage input tolerance	-15 ... +25 % Vdc
Input voltage AC	1~220-240 Vac, 3~380-415 Vdc, 50/60 Hz
AC voltage input tolerance	-15 ... +25 % Vac, +/- 5 % Hz
AC output	220...240 Vac / 50 Hz, 60 Hz
Output stability	0,5 % Vac, 0,1 % Hz
Output power	30 kVa / 24 kW
Efficiency DC input / AC input	24 V 89,5 %, 48...110 V 91 %, 220 V 92,5 % / 96 %

Environment

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

Enclosure

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

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

Touch screen
Output short-circuit current
AC bypass switch
Redundant output power
Analogue V/A meters
Digital V/A meters
Residual current devices
Fused distribution outputs
Measuring transformers
Halogen-free components

Basic Interface and Monitoring

LED status indication (green/orange/red)
WEB browser
3 programmable potential-free relay outputs

Data Communication

Ethernet
Modbus RTU
Modbus TCP/IP (option)

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

