

CM Series Converter - LV <1500W

LOW VOLTAGE DC-DC

PRODUCT SHEET

POWER OUTPUTS

MAX OUTPUT 1040W

DC OUT 12V

DC OUT 24V

DC OUT 48V

KEY FEATURES

- Forced-air cooled by a temperature controlled, high-reliability, monitored fan
- Thermally protected
- Input/output voltage and current protected
- Serial alarm and control interface
- Microprocessor controlled
- Standalone or system operation



Efficient and reliable, these modular rack mount DC-DC converters allow for easy paralleling of modules to provide redundancy or higher power outputs. Designed for use in modern telecommunication networks and industrial applications, these converters offer unrivalled performance.

The design allows for mounting four modules in a 1U x 19" rack or integrated within our COMPACT systems: Enatel's Energy Manager can be used for system level monitoring and control, or it can operate as a standalone unit. These converters can be configured in combinations to provide multiple voltage outputs, filtering and isolation.

The CM Series 'plug and play' ability allows quick and easy installation and system expansion. These robust, reliable converters are forced-air cooled and automatically return to normal operation following abnormal events.

Modules are New Zealand-made to guarantee design, manufacture and process integrity. Our robust, proven conversion topology utilizes only the highest specification components – something rarely offered by others.

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Specifications

DC INPUT RATINGS				
MODEL:	CM612-24	CM612-48	CM1024-48	CM1048-24
NOMINAL VOLTAGE:	24V	48V	48V	24V
VOLTAGE RANGE:	20-30V	40-60V	40-60V	20-30V
FUSES:	Fuse in the positive input with crowbar diode			
INPUT VOLTAGE PROTECTION:	Auto shutdown, auto restart when voltage restored			

DC OUTPUT RATINGS				
NOMINAL VOLTAGE:	12V	12V	24V	48V
VOLTAGE RANGE:	10.5-15V	10.5-15V	21-30V	46-52V
MAXIMUM OUTPUT CURRENT:	40.0A	40.0A	43.0A	21.6A
POWER RATING:	560W	560W	1040W	1040W
PEAK EFFICIENCY:	90.32%	93.00%	93.93%	92.31%

ENVIRONMENTAL REQUIREMENTS	
AMBIENT TEMPERATURE:	-20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 50°C [122°F])
STORAGE TEMPERATURE:	-30°C to 85°C [-22°F to 185°F]

MECHANICAL	
DIMENSIONS:	W: 111.5 mm [4.39 in]
	H: 44.0 mm [1.73 in] (1U)
	D: 282.0 mm [11.1 in] overall
WEIGHT:	1.50 kg [3.31 lb]
COOLING:	Forced-air cooled (front to back airflow)

COMPLIANCES	
SAFETY:	EN 60950-1
IMMUNITY:	CISPR24
EMISSIONS:	CISPR22 Class B
OTHER:	CE & RoHS Compliant

Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.