



Telecommunications



Data centers



Industries



Renewable

CM SERIES CONVERTER - LV >1500W

CNVENACM SERIES

enATEL
energy



DESCRIPTION

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.

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.

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SPECIFICATIONS

	CNVENACM174848	CNVENACM174860	CNVENACM186048
DC INPUT RATINGS			
Nominal Voltage	48V	60V	48V
Voltage Range	40-60V	52-74V	40-60V
Fuses	Fuse in the positive input with crowbar diode		
Input Voltage Protection	Auto shutdown, auto restart when voltage restored		
DC INPUT RATINGS			
Nominal Voltage	48V	48V	60V
Voltage Range	46-52V	46-52V	54-65V
Maximum Output Current	33.0A	33.0A	30.7A
Power Rating	1700W	1700W	1800W
Peak Efficiency	93.50%	93.73%	92.85%
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]		
COMPLIANCES			
Safety	EN 60950-1		
Immunity	CISPR24		
Emissions	CISPR22 Class B		
Other	CE & RoHS Compliant		