



CM Series Converter

Low Voltage DC-DC

1.7kW
MAX

12V
OUT

24V
OUT

48V
OUT

60V
OUT

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



1.7kW
MAX

12V OUT 24V OUT 48V OUT 60V OUT

Specifications

DC INPUT	CM612-48	CM612-24	CM1048-24	CM1024-48	CM1748-48
Nominal Input Voltage:	48V DC	24V DC	24V DC	48V DC	48V DC
Input Voltage Range:	40–60V DC	20–30V DC	20–30V DC	40–60V DC	40–60V DC
Protection	Fuse in the positive input with crowbar diode Auto shutdown, auto restart when correct voltage restored				
Fuses: Input Voltage:					
DC OUTPUT					
Nominal Output Voltage:	12V DC	12V DC	48V DC	24V DC	48V DC
Output Voltage Range:	11–14V DC	11–14V DC	46–52V DC	22–26V DC	46–52V DC
Maximum Output Current:	40.0A	40.0A	21.6A	43.0A	33.0A
Maximum Output Power:	560W	560W	1040W	1040W	1694W
Peak Efficiency:	93%	91%	93%	94%	93%
COMPLIANCES					
Safety:	EN60950,				
Immunity:	CISPR24				
Emissions:	CISPR22 Class B				
Other:	CE & RoHS compliant				



Contact Enatel for datasheets and characterization details. Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.