



MDCI 100 Range
100 Watt
DC-DC Converters
Fully Isolated Input to Output

Model	Input Voltage	Output Voltage	Output Current	Output Power
MDCI 100 A12	9-18V DC	12V	8.3 Amps	100 Watt
MDCI 100 A24	9-18V DC	24V	4.15 Amps	100 Watt
MDCI 100 B12	20-35V DC	12V	8.3 Amps	100 Watt
MDCI 100 B24	20-35V DC	24V	4.15 Amps	100 Watt
MDCI 100 C12	30-60V DC	12V	8.3 Amps	100 Watt
MDCI 100 C24	30-60V DC	24V	4.15 Amps	100 Watt
MDCI 100 D12	60-120V DC	12V	8.3 Amps	100 Watt
MDCI 100 D24	60-120V DC	24V	4.15 Amps	100 Watt

Standard Features

- Isolation between input and output
- Substantial Input Filter
- Stabilised output voltage
- Convection cooled
- Output 12V DC +/- 2%
- Output 24V DC +/- 2%
- Protection for
 - reverse input polarity (fuse)
 - load dump
 - overload (by current limiting)
 - overtemperature (by current limiting)
 - output over voltage (shutdown, auto re-start)
 - short circuit output (by current limiting)

Special Versions

Custom Voltages available on request

General Specifications

- Weight : 500g
- Efficiency: typically 85% at full load
- Ambient Operating Temperature : -20 / +45°C
- Max. temperature increase 30 degrees by full load for 30 minutes at an ambient temperature of 20 degrees.
- Dimensions (l x w x h) : 152mm x 88mm x 49mm
- Input & Output Connections: 6.3mm x 0.8mm fastons

The Technology

The MDCI 100 range of DC-DC Converters use high frequency switched mode technology for high efficiency, small size and light weight.

Isolation

Isolation between input and output cures difficult ground loop problems, allowing optimum wiring in complex systems. This can avoid noisy power lines degrading signal lines.

Every effort has been made to ensure the accuracy of the information in this document. However, VXI Power Ltd policy is one of continuous improvement and for the latest information please contact us. E&OE