



DDI 100 Range

100 Watt DC-DC Converters

Fully Isolated Input to Output



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

Standard Features

- Isolation between input and output and case >400Vrms
- Substantial Input Filter
- Stabilised output voltage
- Convection cooled
- Output 12V DC +/- 2%
- Output 24V DC +/- 2%
- Protection for
 - reverse input polarity (fuse + reverse diode)
 - overvoltage by varistor
 - 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 °C by full load for 30 minutes at an ambient temperature of 20 ° C.
- Standby Current Consumption : <25mA
- Ripple & Noise : <50mV
- Dimensions (l x w x h) : 152mm x 88mm x 49mm (Outside Dimensions inc Mounting Flange)
- Input & Output Connections: 6.3mm x 0.8mm fastons
- EMC Conformity EN50081-1, EN50082-1, Conformity to Automotive Directive 95/54/EC

The Technology

The DDI 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, CPPA policy is one of continuous improvement and for the latest information please contact us. E&OE

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