DDH150 Range

150/200 Watt DC-DC Converters
Fully Isolated Input to Output
Float Charging feature on high Output

Model	Input Voltage	Low Output Voltage/Current	High Output Voltage/Current	Output Power
DDH150 A12	**10-19V DC**	**12V 12.5A**	**13.8V 15A**	**150 / 200 Watt**
DDH150 A24	**10-19V DC**	**24V 6.25A**	**27.6V 7.5A**	**150 / 200 Watt**
DDH150 A48	**10-19V DC**	**48V 3.15A**	**55.2V 3.7A**	**150 / 200 Watt**
DDH150 B12	**19-36V DC**	**12V 12.5A**	**13.8V 15A**	**150 / 200 Watt**
DDH150 B24	**19-36V DC**	**24V 6.25A**	**27.6V 7.5A**	**150 / 200 Watt**
DDH150 B48	**19-36V DC**	**48V 3.15A**	**55.2V 3.7A**	**150 / 200 Watt**
DDH150 C12	**36-72V DC**	**12V 12.5A**	**13.8V 15A**	**150 / 200 Watt**
DDH150 C24	**36-72V DC**	**24V 6.25A**	**27.6V 7.5A**	**150 / 200 Watt**
DDH150 C48	**36-72V DC**	**48V 3.15A**	**55.2V 3.7A**	**150 / 200 Watt**
DDH150 D12	**72-144V DC**	**12V 12.5A**	**13.8V 15A**	**150 / 200 Watt**
DDH150 D24	**72-144V DC**	**24V 6.25A**	**27.6V 7.5A**	**150 / 200 Watt**
DDH150 D48	**72-144V DC**	**48V 3.15A**	**55.2V 3.7A**	**150 / 200 Watt**

Standard Features

- The DDH 150 features a switch selectable 'low' output voltage for working as a DC power supply and a 'high' output voltage which allows the user to float charge a lead acid battery from a battery.
- Galvanic Isolation between input and output (500V max.)
- Ambient Operating Temperature : 0-45^{0}C
- Efficiency: typically 80% at full load
- Substantial Input Filter
- Thermal protection by self-resetting trip. This operates when the heatsink reaches 90^{0}C and resets when the temperature drops to 70^0
- Indication for 'output on'
- Low current on/off control input (<3mA sink to negative to turn on)
- Stabilised output voltage
- 2 :1 Input voltage range
- Convection cooled
- Weight : 1.2kg
- Dimensions : 180mm x 158mm x 65mm
- Input & Output Connections: Screw Terminals that accept up to 4mm^2 cable
- Protection for :- reverse polarity on input and output
  input under voltage (shutdown, auto re-start)
  output over voltage (shutdown, auto re-start)
  short circuit output (electronic current limit)

The Technology

The DDH150 range of DC-DC Converters use high frequency switched mode technology for high efficiency, small size and light weight.
'Current Mode' circuitry ensures reliable operation even for the arduous task of battery charging. Mosfet switching devices produce superb performance and only the highest quality components are used throughout.

Isolation

Galvanic 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.

CP Power & Automation Ltd
3 Fairfield Court, Seven Stars Industrial Estate, Coventry, CV3 4LJ, UK
Tel: +44 (0) 2476 214799 Fax: +44 (0) 2476 301810
Email: sales@cppowerautomation.com URL: www.cppowerautomation.com