

# DC Master 48/12-20



The required voltage for DC current can vary. Some equipment requires 24 V, while onboard equipment usually requires 12 V. For custom DC current, Mastervolt offers a series of compact and made to measure DC-DC converters for both 12 V and 24 V battery systems that offer stable power with the right current for any connected consumer. There is a wide range of DC Master converters available, including insulated and non-insulated models.

- Recreational and semi-professional use.
- Easy to install using included mounting bracket.
- Excellent price/performance ratio.
- Available in isolated and non-isolated version.

The non-isolated DC Master models have an electrical connection between the input and output.

Features:

- Low costs.
- Efficient: low heat generation.
- Compact.
- Suited to applications with negative earthing.

The isolated DC Master models provide galvanic isolation between input and output circuits.

Features:

- Extra touch-proof.
- Interference suppression for sensitive equipment.
- Available with negative or positive grounding.

### **Intelligent DC-DC converters**

A large benefit of the DC Master models is their two minutes of extra capacity; ideal if you need a short power boost.

### **Complete package**

All DC Master converters are delivered with mounting bracket, screws and fasteners.

# Specifications

## General specifications

Nominal output voltage	13.6 V
Max. output power	326 W
Nominal output power	272 W
Max. output current (for 2 min. intervals)	24 A
Continuous output current	20 A
Nominal input voltage	48 V
Input voltage range (max.)	40-62 V DC (65 V)
Galvanic isolation	no
Stabilised	yes
Dimensions, h x w x d	217 x 87 x 50 mm 8.5 x 3.4 x 2.0 inch
Weight	0.77 kg 1.7 lb
Compliance	CE

## Technical specifications

DC consumption	< 25 mA
Connections	fast-on
Temperature range (ambient temp.)	-25 °C to 80 °C, derating > 30 °C -13 to 176 °F
Cooling	natural cooling
Protection degree	IP53