

# DC Master 12/12-6 (Isolated)



Product code: 81500700

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                          | 108 W                |
| Nominal output power                       | 82 W                 |
| Max. output current (for 2 min. intervals) | 8 A                  |
| Continuous output current                  | 6 A                  |
| Nominal input voltage                      | 12 V                 |
| Input voltage range (max.)                 | 10-15.5 V DC (16 V)  |
| Galvanic isolation                         | yes                  |
| Stabilised                                 | yes                  |
| Dimensions, h x w x d                      | 127 x 87 x 50 mm     |
|  | 5.0 x 3.4 x 2.0 inch |
| Weight                                     | 0.44 kg              |
|  | 1.0 lb               |
| Compliance                                 | CE                   |

## Technical specifications

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| DC consumption                    | < 15 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                              |