

# DC Master 24/12-24



Product code: 81400330

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                          | 408 W                |
| Nominal output power                       | 326 W                |
| Max. output current (for 2 min. intervals) | 30 A                 |
| Continuous output current                  | 24 A                 |
| Nominal input voltage                      | 24 V                 |
| Input voltage range (max.)                 | 20-32 V DC (35 V)    |
| Galvanic isolation                         | no                   |
| Stabilised                                 | yes                  |
| Dimensions, hxxxd                          | 167 x 87 x 50 mm     |
|  | 6.6 x 3.4 x 2.0 inch |
| Weight                                     | 0.62 kg              |
|  | 1.4 lb               |
| Approvals                                  | CE, E-mark           |

## 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                              |