

# DC Master 48/12-6



Product code: 81400600

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                          | 109 W                                   |
| Nominal output power                       | 82 W                                    |
| Max. output current (for 2 min. intervals) | 8 A                                     |
| Continuous output current                  | 6 A                                     |
| Nominal input voltage                      | 48 V                                    |
| Input voltage range (max.)                 | 40-62 V DC (65 V)                       |
| Galvanic isolation                         | no                                      |
| Stabilised                                 | yes                                     |
| Dimensions, hwxwd                          | 89 x 87 x 50 mm<br>3.5 x 3.4 x 2.0 inch |
| Weight                                     | 0.27 kg<br>0.6 lb                       |
| Compliance                                 | CE                                      |

## Technical specifications

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| DC consumption                    | < 15 mA                                            |
| Connections                       | fast-on                                            |
| Temperature range (ambient temp.) | -25 °C to 80 °C, derating > 30 °C<br>-13 to 176 °F |
| Cooling                           | natural cooling                                    |
| Protection degree                 | IP53                                               |