

600W Bidirectional DC-DC Converter



- + Charging from any vehicle alternator
Compatible with reduced voltage (Euro 6)
- + Charging from solar panels
- + Multiple-battery setup
- + Automatic voltage regulation

Bidirectional DC/DC Converter 9V-36V 600W

Part no.: CD1801

DC/DC Converter for charging a 12V or 24V service battery in vehicles with a smart alternator (regenerative braking, Euro 5 and Euro 6 engines)

The DC/DC Converter will charge the auxiliary battery with a pre-set charge voltage, eliminating high voltages and low voltages.

The DC/DC Converter can be activated with D+ or clamp 15 connection.

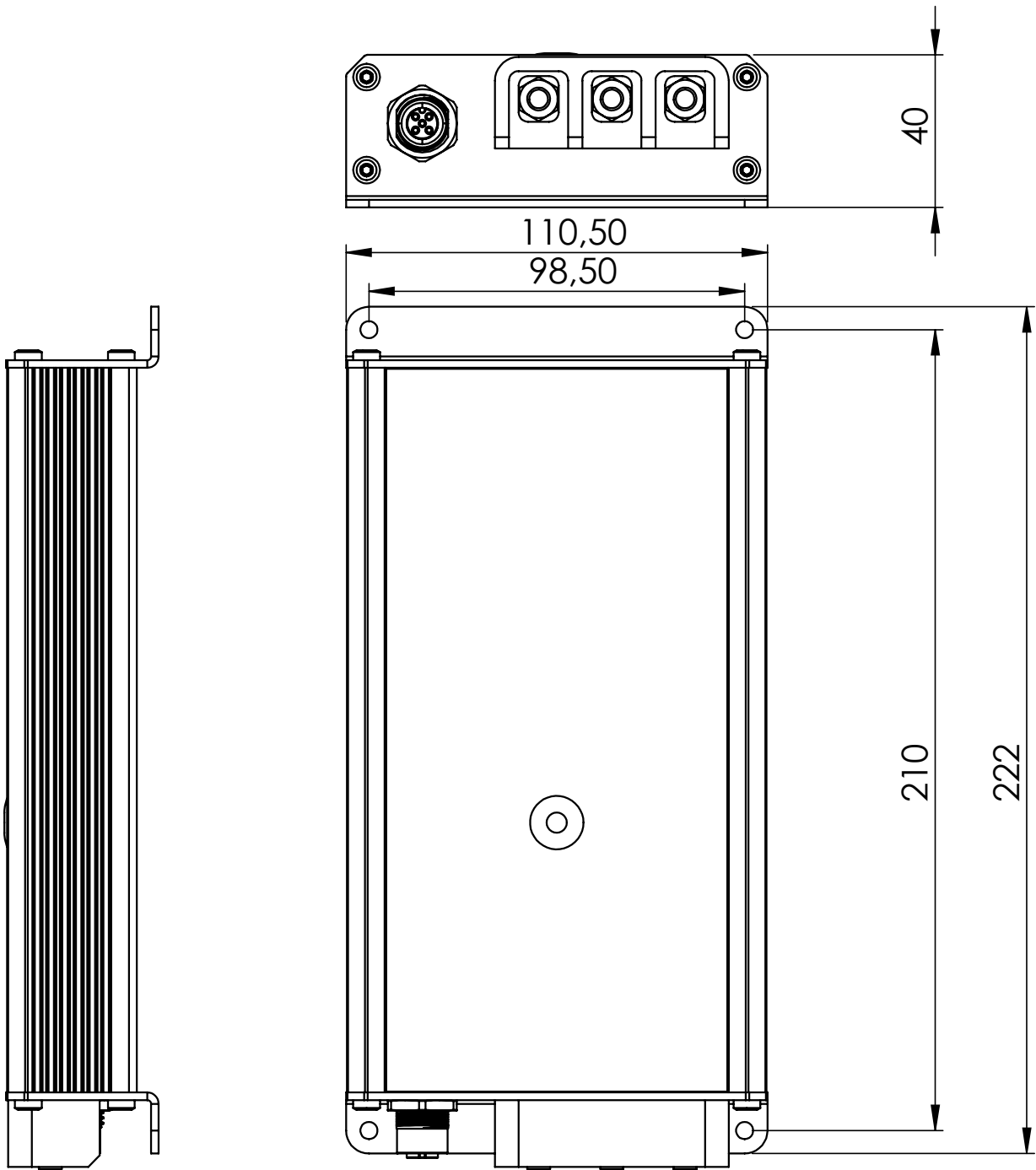
Electrical Parameter	Value
Supply Voltage	10,9V - 32V
Input Current	0-45A
Output Voltage	14,4V or 28,8V
Output Current	0-40A
Output Control	5 stage charge
Wakeup Input Range	0-36V
Wakeup Input (Deactivate)	<3,0V
Wakeup Input (Activate - Delayed 15sec)	>4,0V
Power consumption (Idle):	<1,6 W
Power consumption (Sleep):	<1 mW
Operating temperature range:	-25 to 80 °C
Weight:	620 g
Dimensions:	222 x 110,5 x 40 mm



9V - 36V functionality

CLAYTON
POWER

Mechanical dimensions:



Standards and approvals

Low Voltage Directive 2014/35/EU
EN62368-1:2014

EMC 2014/30/EU
EN61000-6-2:2005, EN61000-6-3:2007 / A1:2011
EN50498:2010 (UNECE Regulation 10)
E13 10R-05 14880 (E-mark)

RoHs Directive 2011/55/EU
EN50581:2012

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