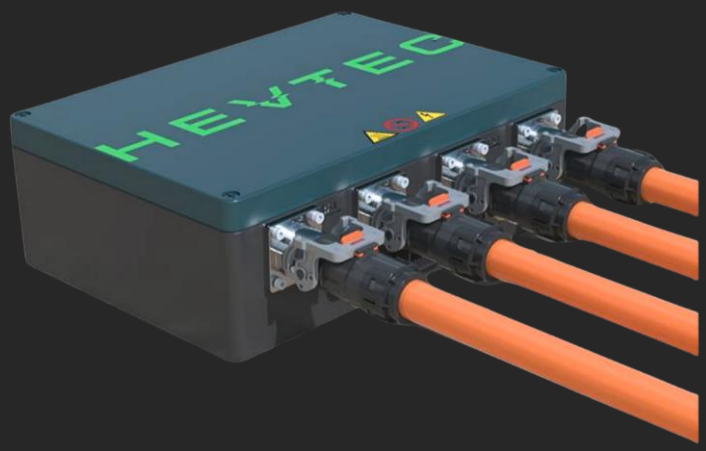
HEVTEC
PURO CCS

DC fast charging interface with HV contactors and voltage, current and temperature sensors built in.



Ratings and measurements

Current rating (cont. / 3 min.)	400 A / 700 A, dependent on ambient temperature
Voltage rating	1000 Vdc
Control voltage	12 V or 24 V
Dimensions	330 x 230 x 111 mm
Weight	7 kg

Environmental limits

Ingress protection	IP67
Impact protection	IK09
Ambient temperature	-40 – 85 °C
Operational altitude	up to 4000 m

Connections

High voltage	Amphenol PowerLok 500A with HVIL
Logic level	TE AMPSEAL 23-pole, mating part #770680-1
CAN communication	CAN 2.0a 250, 500, 1000 kBit/s

Hevtec Oy

Vetokuja 4, 01610 Vantaa, Finland
info@hevtec.fi | www.hevtec.fi

HEVTEC

Product compliance

Over Voltage Category	as defined in IEC 60664-1 and IEC 61439-1: CAT II
Impulse Withstand Voltage	as defined in IEC 60664-1 and IEC 61439-1: 6000 V
Mechanical vibration	as defined in ISO 16750-3: 4g constant*
Mechanical shock	as defined in ISO 16750-3: 25g*
Chemical load	as defined in ISO 16750-5: fluids list
Climatic loads	as defined in ISO 16750-4: Code G
Electromagnetic compatibility	as defined in ISO 13766-1 and ECE-R 10*
Electrical safety	as defined in IEC 62061 and ECE-R 100*
Quality and environmental management	ISO 9001, ISO 14001
Materials	RoHS/REACH

*Designed according to mentioned standards. May be subject to change. Users are responsible for evaluating the suitability and compliance of the product for their specific application.

Features

- HV connectors with HVIL
- HV contactors
- Current, voltage and temperature measurements
- HVIL in the lid, and in the PowerLok connectors
- Cast AlSi12 enclosure and lid with PU foamed seal
- Powder paint coating
- Stainless Steel grounding point, M8 thread
- Pressure balance element with membrane
- TRL: B-sample

Options

1. Control voltage: 24 V default, 12 V optional
2. External charge controller (EVCC)
3. Custom color

Optional charge controller supports

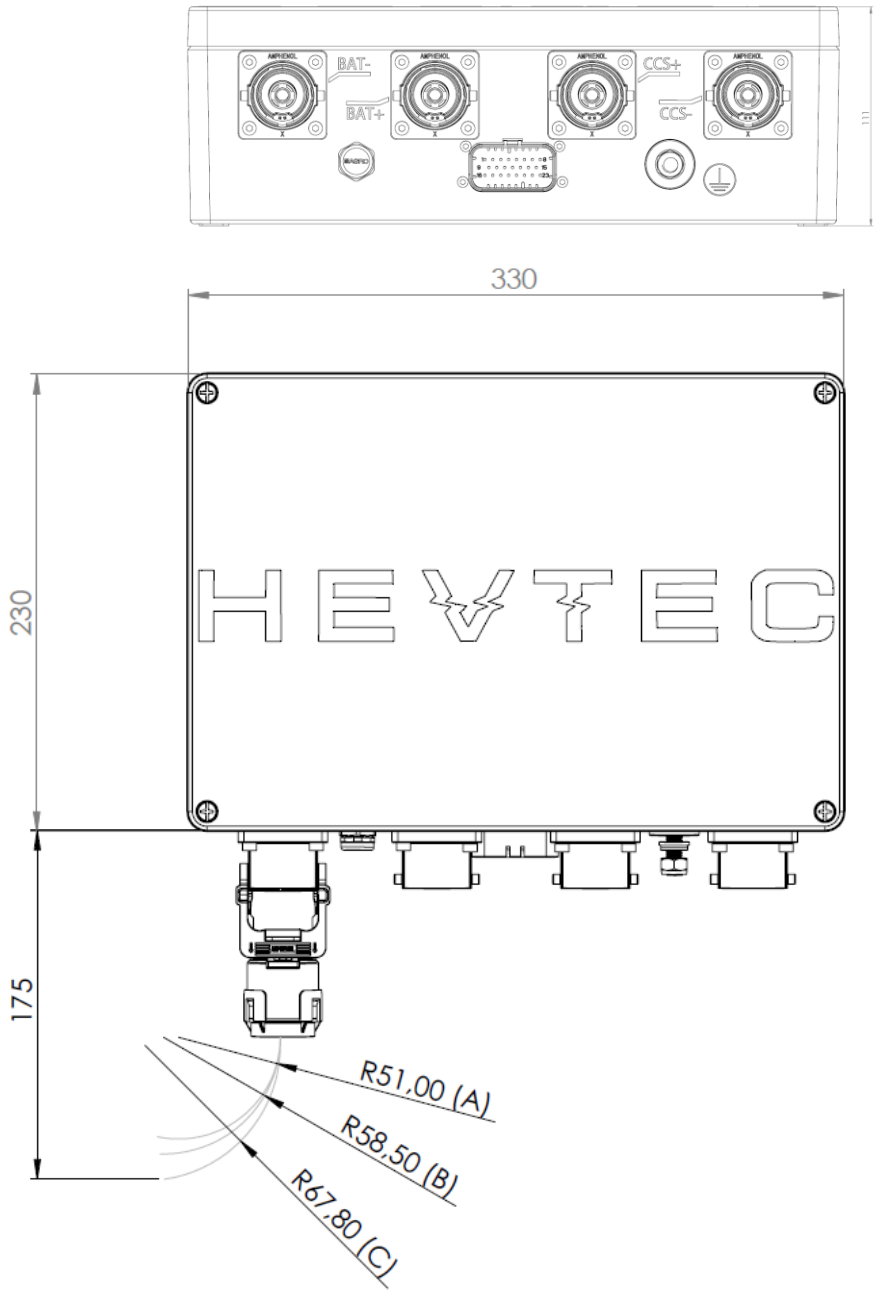
1) IEC 61851:
CCS1, Combo 1

CCS2, Combo 2

2) ISO 15118-2 (Communication to EVSE)

3) ISO 15118-20 (V2G, Bidirectional Powe Transfer (BPT))

Dimensional drawing



The bending radius values are based on the BETAtron T150 High C-flex cable.

A = 70 mm²
B = 95 mm²
C = 120 mm²

The bending radius values apply to fixed installation.