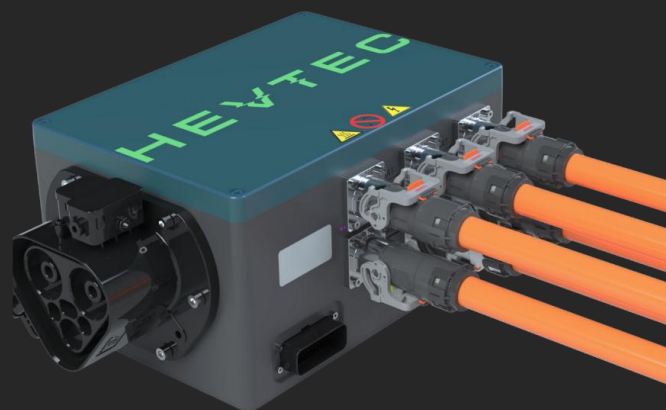


HEVTEC

KOSKI MCS

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



Ratings and measurements

Current rating (60 min. / 30 min.)	1250 / 1500 A, dependent on ambient temperature
Voltage rating	1000 Vdc
Control voltage	12 V or 24 V
Dimensions	428 x 230 x 180 mm
Weight	13 kg

Environmental limits

Ingress protection	IP67
Impact protection	IK09
Ambient temperature	-40 – 65 °C
Operational altitude	up to 4000 m

Connections

High voltage	Amphenol PowerLok 500A with HVIL
Logic level	TE AMPSEAL 35-pole, mating part #776164-1
CAN communication	CAN 2.0a 250, 500, 1000 kBit/s

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

- Innovative cooling design, no liquid cooling circuit needed on-board. Patent pending
- 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 (2 pcs)
- TRL: A-sample

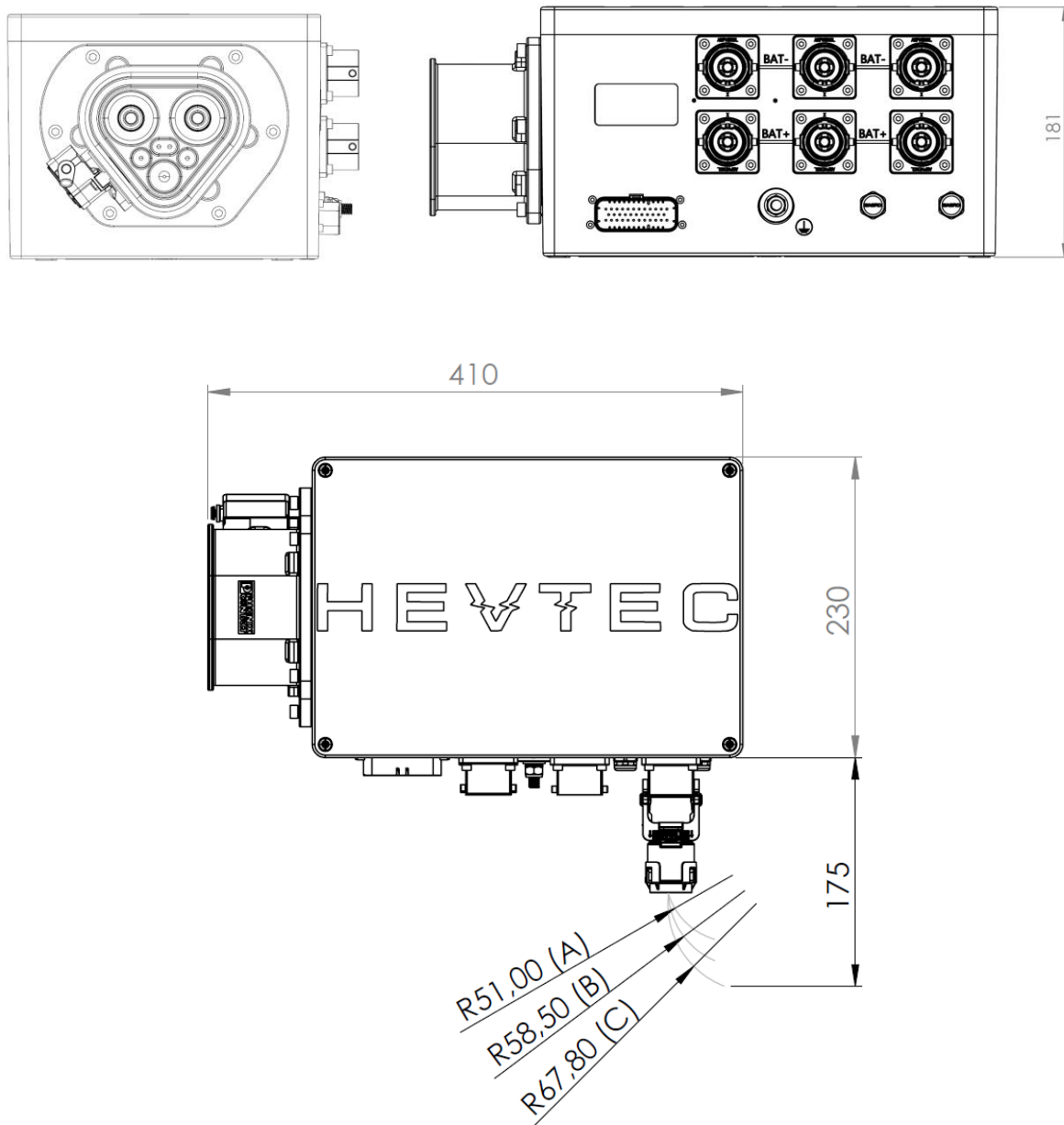
Options

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

Optional charge controller supports

1. ISO 15118-20 (10BASE-T1S ethernet)

Dimensional drawing



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

A = 70 mm²

B = 95 mm²

C = 120 mm²

The bending radius values apply to fixed installation.