

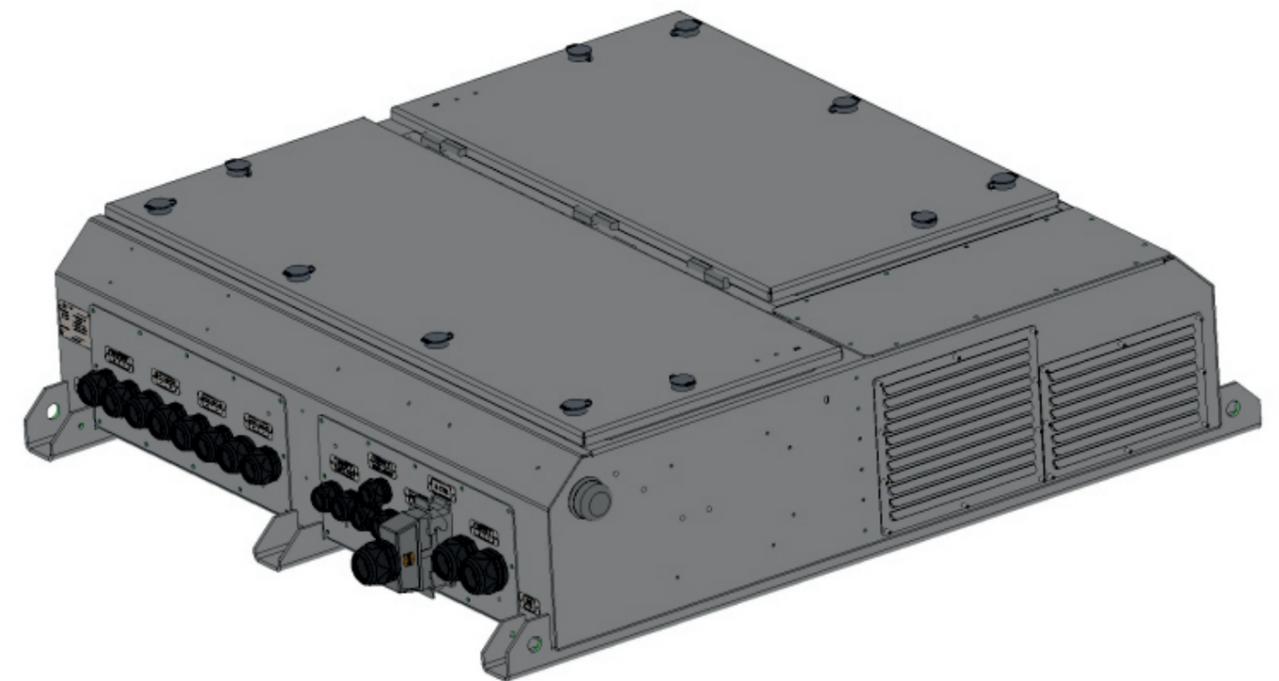
ENI-AUX_BOX Drive auxiliary box

APPLICATION



The ENI-AUX_BOX drive auxiliary box is a single-body box designed to be mounted on the roof of a vehicle with an electric drive.

The basic function of the drive box is to provide connections, protections and contact and switching devices between the energy storage (traction battery (BT) and the drive system. ENI-AUX_BOX is also equipped with auxiliary apparatus - i.e. PLC controller, auxiliary converters, insulation tester and other controllers required in a given project configuration. The PLC (ENI-VCU) controller, based on reading the status of digital inputs, analog input values and messages sent via the CAN bus, implements the saved algorithm of influencing actuators through digital outputs and sending appropriate messages via the CAN bus to other actuators.



SPECIFICATION

TYPE	ENI-AUX_BOX
Input electrical parameters	550-750 V _{DC}
Output electrical parameters	3x400 V _{AC} 0-50 Hz 5 kVA 3x400 V _{AC} 0-50 Hz 5 kVA 3x400 V _{AC} 0-50 Hz 5 kVA 24 V _{DC} 2x 350 A HV _{DC} max. 200 A HV _{DC} max. 400 A
Efficiency	95%
Galvanic separation	24 V _{DC} output
Insulation test voltage	2,5 KV _{AC} 50 Hz
User Interface	CAN
Pollution degree	PD4 according with EN-50124-1
Overvoltage category	OV1 according with EN-50124-1
Cooling	own forced
Noise	78 dB
Working position	horizontal
Enclosure protection ratin	IP54 according with EN-60529 IK10
Working temperature	-20°C ÷ +40°C
Storage temperature	0°C ÷ +30°C
Weight	190 kg
Size (L x W x H)	(1410 x 1250 x 370) mm