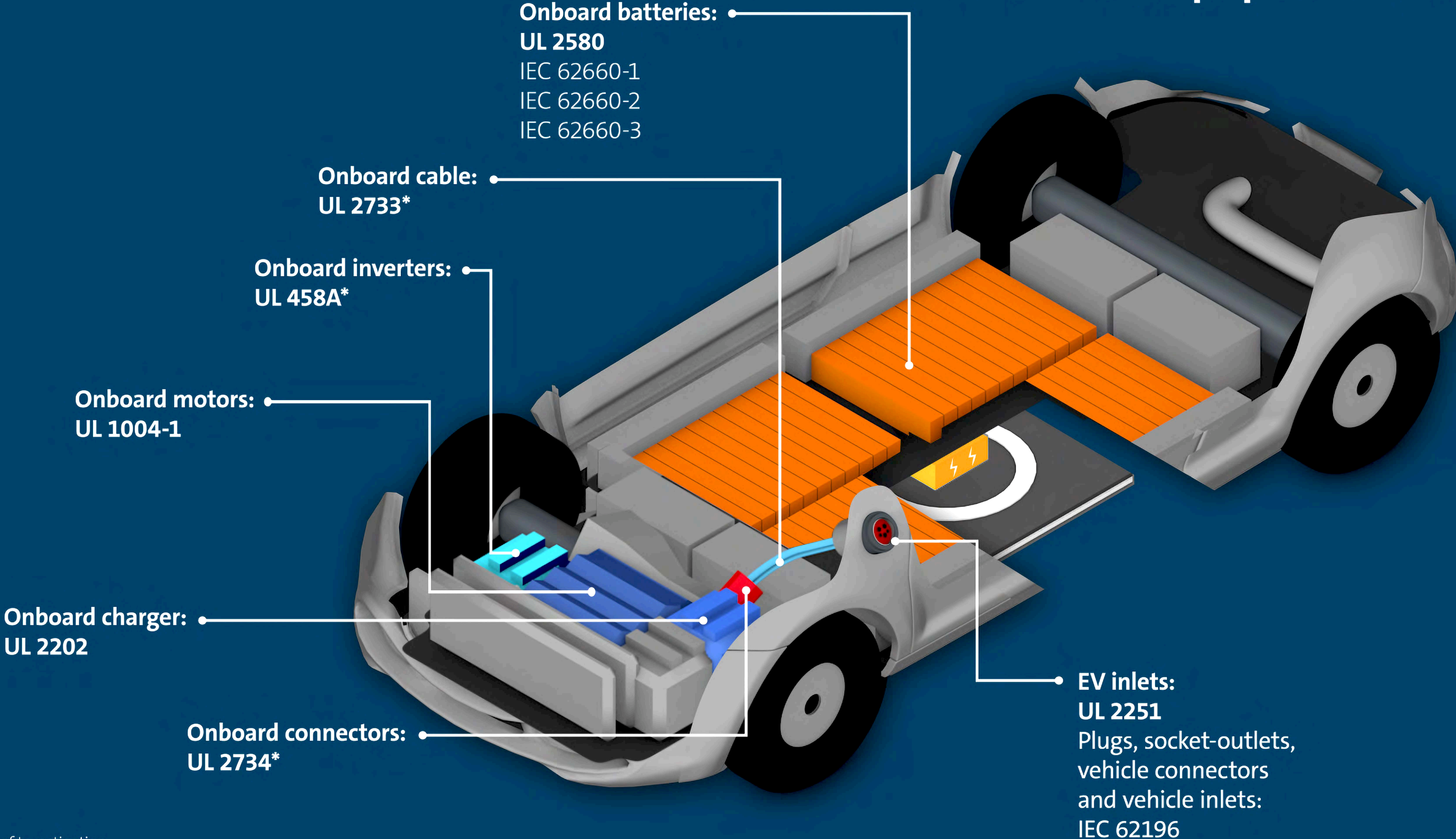


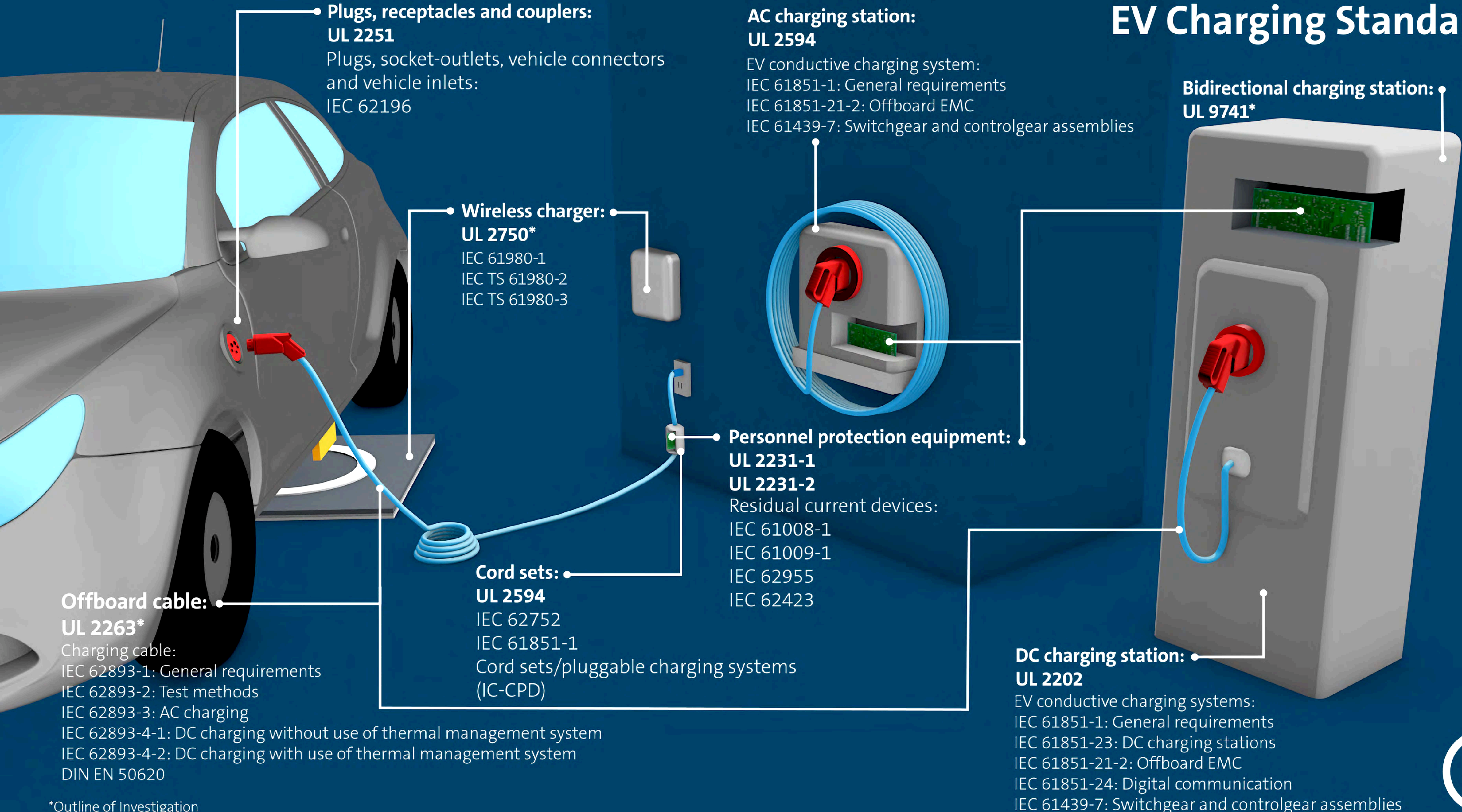
EV Onboard Equipment Standards



*Outline of Investigation



EV Charging Standards



Plugs, receptacles and couplers:
UL 2251
Plugs, socket-outlets, vehicle connectors and vehicle inlets:
IEC 62196

AC charging station:
UL 2594
EV conductive charging system:
IEC 61851-1: General requirements
IEC 61851-21-2: Offboard EMC
IEC 61439-7: Switchgear and controlgear assemblies

Bidirectional charging station:
UL 9741*

Wireless charger:
UL 2750*
IEC 61980-1
IEC TS 61980-2
IEC TS 61980-3

Personnel protection equipment:
UL 2231-1
UL 2231-2
Residual current devices:
IEC 61008-1
IEC 61009-1
IEC 62955
IEC 62423

Cord sets:
UL 2594
IEC 62752
IEC 61851-1
Cord sets/pluggable charging systems (IC-CPD)

Offboard cable:
UL 2263*
Charging cable:
IEC 62893-1: General requirements
IEC 62893-2: Test methods
IEC 62893-3: AC charging
IEC 62893-4-1: DC charging without use of thermal management system
IEC 62893-4-2: DC charging with use of thermal management system
DIN EN 50620

DC charging station:
UL 2202
EV conductive charging systems:
IEC 61851-1: General requirements
IEC 61851-23: DC charging stations
IEC 61851-21-2: Offboard EMC
IEC 61851-24: Digital communication
IEC 61439-7: Switchgear and controlgear assemblies

*Outline of Investigation

