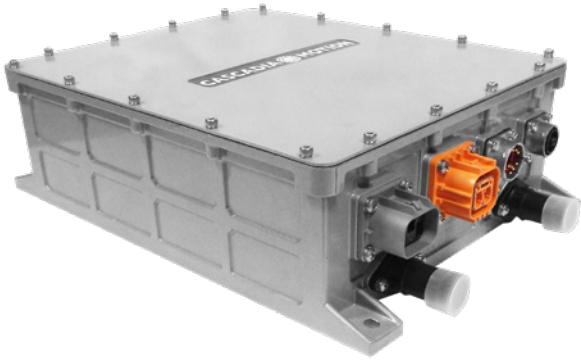


# CHARGERS AND CONVERTERS



**Combo Unit:** This unit combines the functionality of an on-board charger (OBC) with that of a DC/DC converter. This allows the vehicle battery to be charged from an AC building/grid power source at a 6.6kW rate and the DC/DC portion provides a 14V output converted at up to a 1.2kW nominal (1.4kW max) rate from the high voltage battery. This keeps the vehicle's low-voltage battery charged. The Combo Unit is water cooled by the vehicle's coolant loop.



**EVSE cable:** This is a J1772 Type-1 Level-2 stationary charger that plugs into home or workplace 208-240VAC single-phase receptacles. If your situation limits you to Level-1 charging, it can also accommodate 100-120VAC if used with a low current setting. This unit is equipped with a NEMA 14-50 plug and draws up to 32A. The charging current is adjustable in six increments (8, 10, 13, 16, 25 and 32A) by pressing the AMPS button. There's also a delay feature that can be programmed in 1 hour increments from 0 to 9 hours by pressing the TIME button. The EVSE cable assembly has a IP65 water resistance rating and features a CE mark. The cable length is a very generous 10m (~33ft) to allow for flexible vehicle parking. This unit provides up to 7.5kW of charging power which is plenty to keep up with the draw of our Combo Unit. Both a stationary charger (EVSE) and an on-board charger (such as our Combo Unit) is required to charge a DC battery from an AC grid source.

## Combo Units: OBC & DC/DC

### MID VOLTAGE 200-420 VDC

<b>Battery Voltage</b>	420VDC (470VDC Max)
<b>OBC</b>	6.6 kW
<b>DC/DC</b>	1.2 kW (1.4 kW Max)
<b>Input Voltage</b>	85-265 VAC

### HIGH VOLTAGE 500-800 VDC

<b>Battery Voltage</b>	850VDC (860VDC Max)
<b>OBC</b>	6.6 kW
<b>DC/DC</b>	1.2 kW (1.4 kW Max)
<b>Input Voltage</b>	85-265 VAC

