

VOLVO BUSES



Pioneers in Electromobility





OPEN UP NEW POSSIBILITIES IN CITIES

Volvo Buses. Driving quality of life



Exterior noise



Cruise By: - 8 dBA
Take Off: - 7 dBA

Interior Noise

Constant Speed: - 8 dBA
Idle: - 10dBA

Indoor Noise

Constant Speed: - 15 dBA

VOLVO 7900 ELECTRIC

For Street Smart Cities

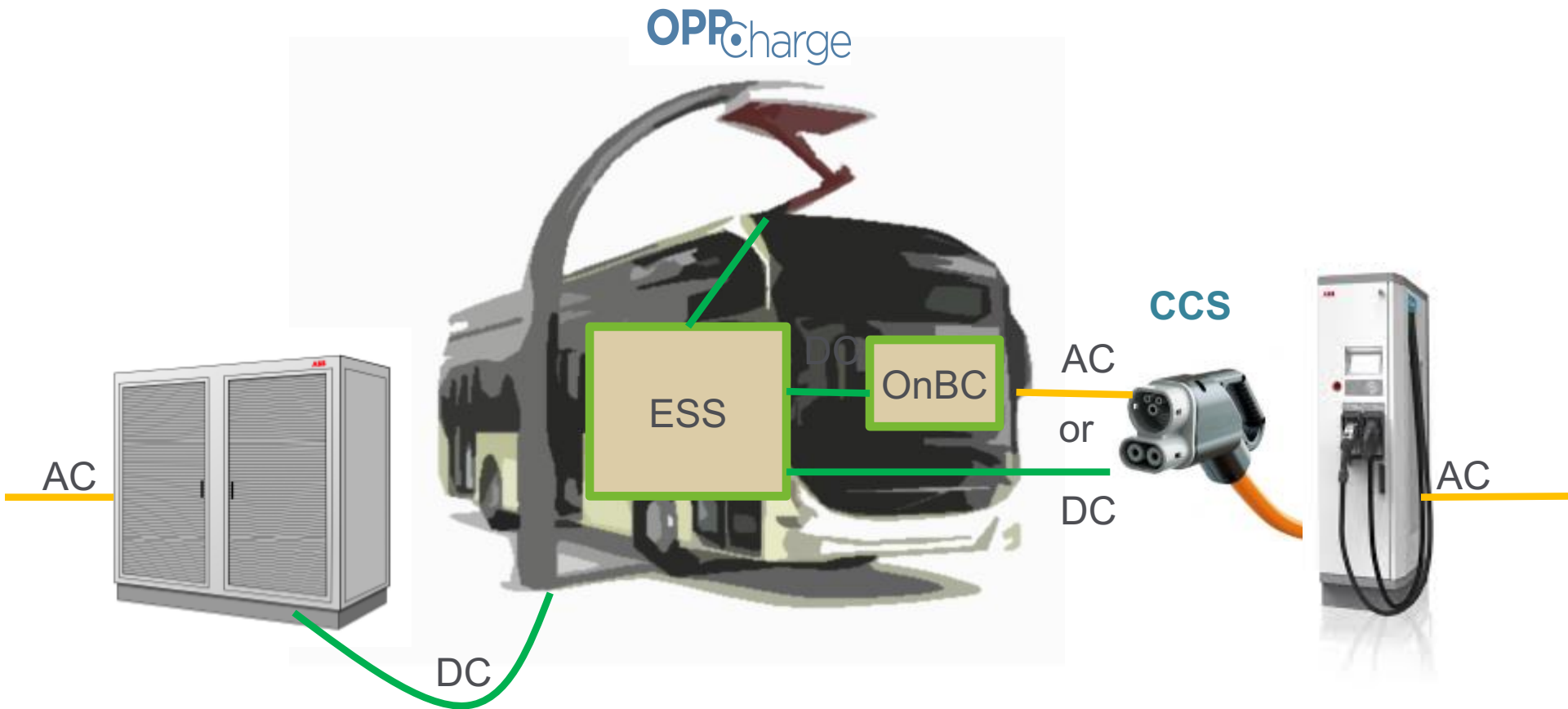


Modular Battery

- 150 kWh
- 200 kWh
- 250 kWh



Charging solutions for Volvo Electric Buses



CCS AC/OnBC:
CSS DC:
OppCharge:

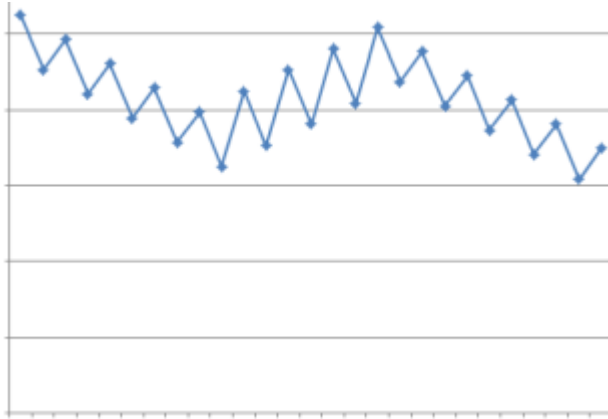
11kW
Up to 150 kW
Max 300 kW

Volvo Buses. Driving quality of life

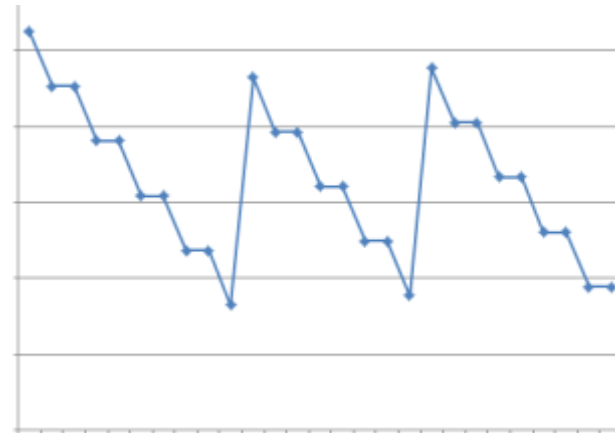


FLEXIBLE CHARGING PATTERNS

Charging on-route



Charging at depot



Volvo Ocean Race buses

Volvo 7900 Electric Artic Prototype

ELECTRICITY
VOLVO OCEAN RACE 2018

- **18,7 m electric articulated prototype**
 - ElectriCity green
 - Passenger capacity: 135 (38 seated)
 - Maximized area for standing passengers - focus on high passenger flow
 - Two wheelchair spaces
 - Two stroller spaces
- **New batteries and driveline**
 - 250 kWh battery capacity (5x50kW)
 - Dual electric motors (2x185kW)
 - OppCharge, CCS and AC charging



Automation Evolution

Today

- Volvo Dynamic steering /VDS
- Automatic charging- OppCharge
- Zone management
- Pedestrian detection

Next steps

- Bus stop docking
- Depot Handling
 - Charging
 - Cleaning
 - Washing
 - Parking



