QCBUS

Charge Station for Buses

CCS



QCBUS 150

Overview

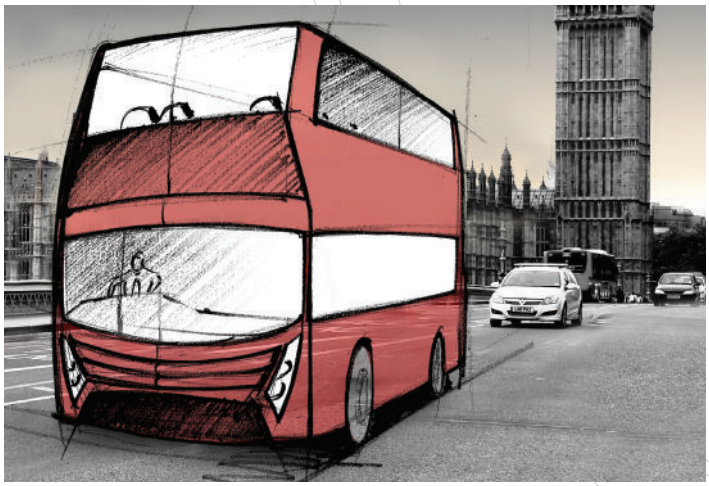
- Charge any compatible vehicle
- Color screen
- Network integration (OCPP or proprietary protocol)
- Built-in communications (3G; LAN; Wi-Fi)
- Different Power Levels Available (45, 90 and 150 kW)

Product description

Societies are facing a growing pressure to reduce CO_2 emissions and electric buses have arisen as a solution for a more sustainable form of transportation. An electric bus allows cities to go a step ahead on the sustainability path, and it is the right beginning for a greener way of transporting the world.

The **QCBus Charger** is a user-friendly and safe process to charge any CCS Compatible Bus with power levels ranging from 40 to 150 kW. Users only need to plug the charger to the vehicle and the charging process will start immediately. If authentication is required, the charger has an RFID card reader which will ensure only the right users have access to the charger. The TFT color display shows the charging details (time, energy and battery details). The charging cycle finishes by itself or it can be terminated by pressing the “Stop” button.

Using Efacec’s more than 30 years of experience in power electronics technology, the QCbus charger system is safe, robust, durable, stable and environmentally friendly.





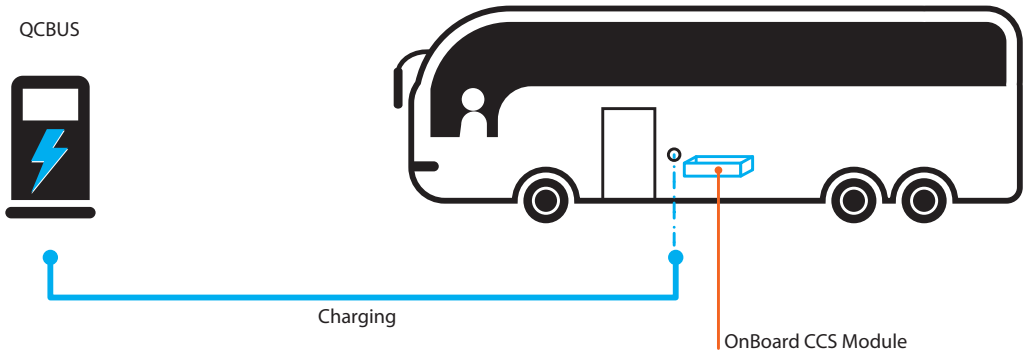
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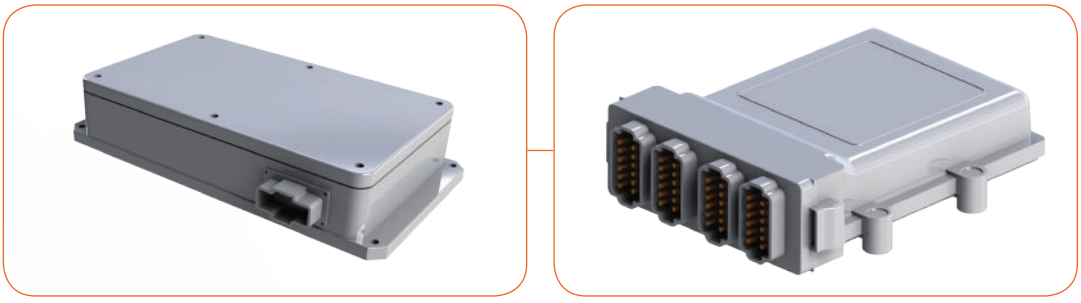
Technical data	QCBUS 40	QCBUS 90	QCBUS 150
Nominal Input			
Phases / lines	3 phases + PE		
Voltage & frequency	480 ± 10% Vac; 60Hz		
Nominal input current & power	56A @ 48kVA	112A @ 96kVA	185A @ 160kVA
Efficiency	> 95 %		
Power factor	0,98		
DC Output			
Voltage	50 Vdc to 750 Vdc		
Current	0 to 60 A	0 to 120 A	0 to 200 A
General Specifications			
Equipment	Combo DC output (Mode-4)		
Communication with EV	IEC61851-23 PLC (CCS / Combo-2)		
DC Plugs	Combo T2 (CCS / Combo-2)		
Human Machine Interface Display RFID system Communication	**By default** 6.4" TFT Color screen Mifare (Classic, DesFire EV1) or others upon request 3G (GSM or CDMA) | LAN | Wi-Fi		
Communication Protocols	OCPP (1.2;1.5) and others		
Place of installation	Indoor/Outdoor		
Altitude	Up to 3280 ft		
Protection degree	IP54 | IK10 | NEMA 3R		
Operating Temperature Optional Cold Option	-13°F to + 122°F -31°F to + 122°F		
Storage Temperature	-40°F to +140°F		
Humidity	5 % to 95 %		
Dimensions (W x D x H)	23.6x23.6x70.9 inches	31.49x31.49x70.9 inches	39.37x31.49x70.9 inches



On board CCS controller

This unit can be used in the bus and assures interface between the charger and the vehicle CANbus, and controls the on board contactors.





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View the product on our website

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