

# QUICK CHARGING SOLUTION FOR ELECTRIC VEHICLES



## Compact quick charging (QPC MIX 63)

### Description

Circontrol Quick Charger Compact unit QPC MIX 63 is able to charge all electric vehicles using DC CHAdeMO and AC standards.

Charge your car while you take a cup of tea, it will not take longer than 15min.

Our Quick Chargers are equipped with dual technology allowing simultaneous charging of two cars making suitable for business and commercial fleets as well as petrol station along the roads.

The Compact version has been adapted with latest communication protocols OCPP and XML.

Circontrol offers an innovative software based in SCADA for remote control and as a management tool.

Charging operator can friendly access to status information, graphics and charge reports according historical data registered.

### Technical characteristics

#### User interface

*Quick Charging in 15 minutes*

*8" LCD screen for user interaction*

*Start, Stop and emergency buttons*

*Light indications for status indication*

*RFID identification and prepayment*

#### Charging management

*Mode 3 and mode 4 locking mechanism*

*Real time energy metering*

*Time and consumption based prepayment modes*

*Simultaneous AC & DC charging with maximum demand control*

#### Communications and protocols

*Remote control and monitoring of the unit through standard XML & HTML*

*OCPP protocol integration*

*Ethernet 10/100BaseTX communication*

#### Security & Protection

*IP Rate: IP54*

*Temperature range -30°C to +45°C*

*Protection against overloads, short-circuits and insulation faults with an automatic switch*

*EV standards: IEC 62196-3, IEC 61851-1, CHAdeMO*

#### Options

*Harmonic filtering*

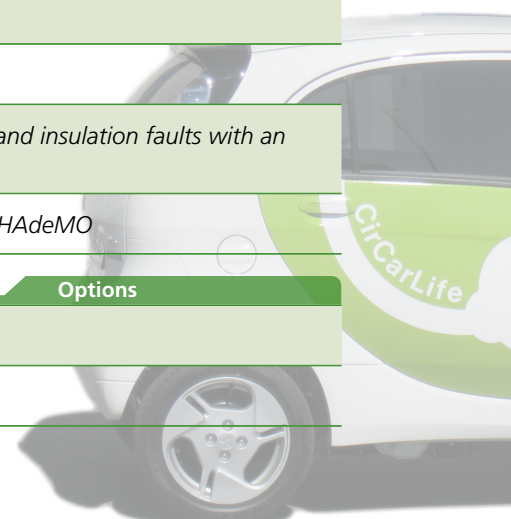
*3G communications*



CIRCONTROL S.A.  
Quick Charging solution

**MODE 3**  
(IEC 61851)

**MODE 4**  
(IEC 61851)



## Features - QPC MIX 63

Technical features	
AC Input	
Input voltage	400 Vac 3P + PE
Nominal input current	140 A
Input frequency	50/60 Hz +/-5%
Rated input power	93 kVA
DC Output	
Rated output current	120 A
Rated output power	50 kW
Output DC voltage	180 V - 500 V
AC Output	
Rated AC output current	63 A
Rated AC output power	43 kW
Output AC voltage	400 V 3P
Electrical Protections	
Short current protection	Main Circuit Breaker
Short circuit protection	Residual Current Breaker "class A"
Plug type	
DC Charge	JEVS G105
AC charge	Type 2 (IEC6296) Mode 3 (IEC61851-1)
Network connection	
Ethernet	10/100 Base TX

General features	
DC Standard	CHAdeMO certified
Enclosure Rating	IP 54 / IK 10
Humidity	20% a 95%
Operating temperature	-30°C to + 45°C
RFID System	ISO / IEC14443A / B 13.56 MHz
HMI	8" LCD screen
Interface protocol	OCPP / XML
Light beacon	Three color led status
Maximum demand control	AC and DC power limitation control
Dimensions (D x W x H)	780mm x 650mm x 2060mm
Operation noise	<45 dBA
Compliance	CHAdeMO / CE
Weight	380 Kg

Optional devices	
Communication	3G / GPRS / GSM
Armonic Filter	5th and 7th harmonic
MID certified AC meter	Active Energy "Class B" Reactive Energy Class 2.0



CHAdeMO

ZE Ready®

OCPP  
Open Charge Point ProtocolCIRCONTROL S.A.  
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