

# RVE-QP (CHAdeMO protocol)

Fast-charge outdoor post



## Description

CIRCUTOR's fast charging units are the fastest solutions to be found in the market nowadays. Their innovative, original design offers a fast and easy way to charge a vehicle in accordance with the **CHAdeMO** protocol for direct current charging. Special attention has been paid during the design of the equipment to ease of installation and electrical protection to increase user safety.

CIRCUTOR fast charging stations, following the **CHAdeMO** protocol, can charge electric vehicles in just a few minutes (15 ~ 30 min.), depending on battery capacity and charge level. The equipment has built-in communications (Ethernet, 3G, etc) that can establish a permanent connection with remote control stations, from which the charging equipment's data can be monitored in real time and which can be used to operate the equipment remotely, implementing a management method to increase equipment profitability with ease.

## Application

Fast charging requires special electrical installations due to the large amounts of energy required over short periods. This is why **CHAdeMO** is intended for installation in car parks or other specially-adapted sites where a need for this type of charging is expected.

## features

Features	
	Average charging speed of less than 15 minutes. Modular, scalable system. User protected and isolated power module. Compact, reduced size system. Integrated communications. Intelligent charging. Option of mixed AC/DC systems Modes 3 and 4. Electrical safety. IP54 Protection. Elegant aesthetic design. User-friendly interface with easy-to-use touchscreen. Light indication.
Electrical features	
Power input	Three-phase 400 V <sub>AC</sub>
Frecuency	50 / 60 Hz
Max. consumption	70 kVA
Maximum output voltage	500 V <sub>DC</sub>
Maximum output current	125 A <sub>AC</sub>
Maximum curve	1,5% load curve
Efficiency	92%
Measurement error in voltage and current	1%
Voltage and current sampling	100 ms
Efficiency	more than 92%
Charging features	
Velocidad de carga	Average charge in just a few minutes (15 ~ 30 min.) depending on the battery capacity and the level of discharge
Tipo recarga	Smart charge
Modos de recarga	Mode 3 and Mode 4
Mechanical features	
Isolation	4 kV
Protection degree	IP 55
Standards	
IEC 62196-1, UL 2551	

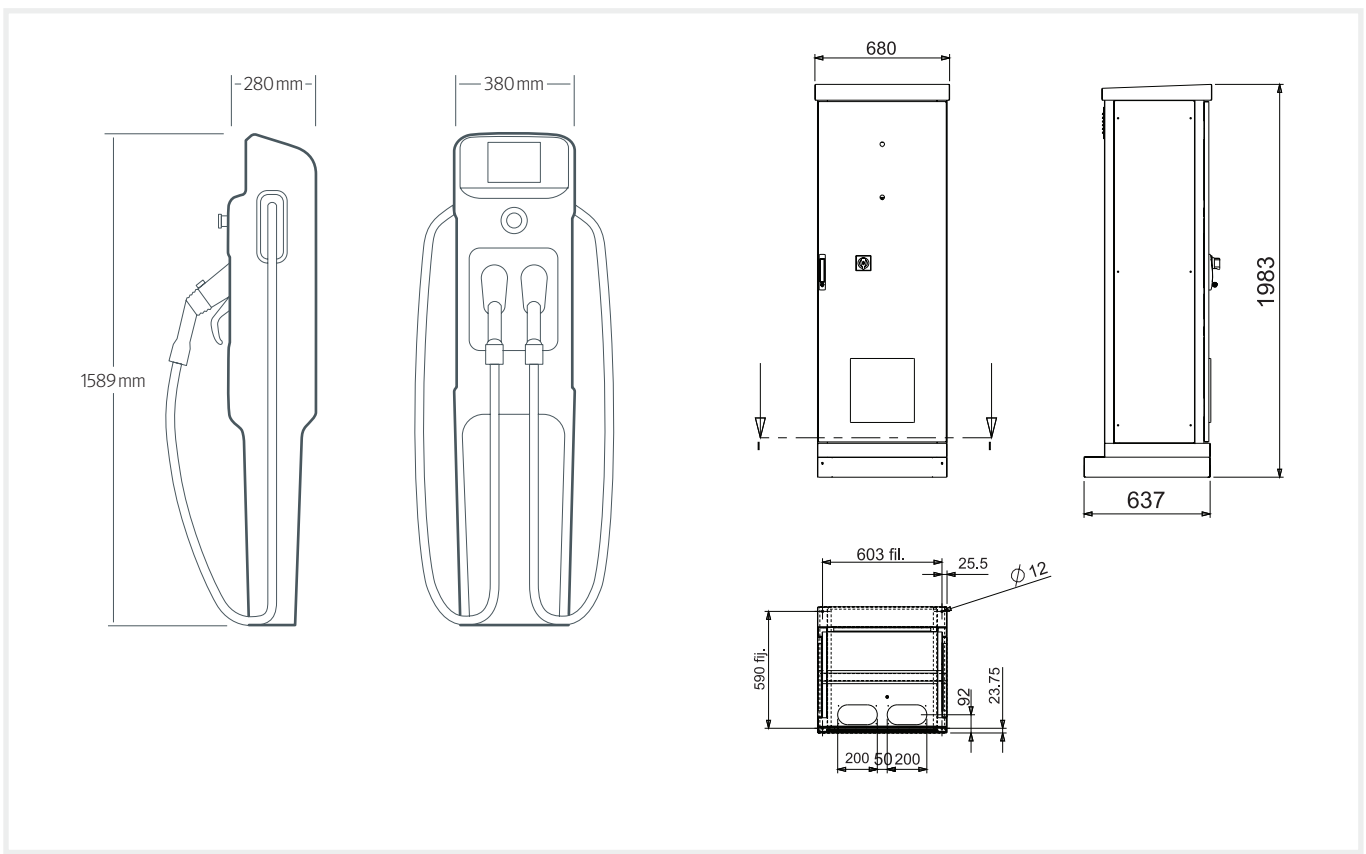


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## Dimensions



## References

Unit Control						
Type	Code	Socket type	Power Output	Maximum Output current	For connecto with:	Charning Mode
RVE-QP1	V15010	1 type CHAdeMO	50 kWDC	125 A <sub>DC</sub>	1 x RVE-QPM	Mode 4 CHAdeMO
RVE-QP2	V15020	2 type CHAdeMO	2 x 50 kWDC	2 x 125 A <sub>DC</sub>	2 x RVE-QPM	Mode 4 CHAdeMO
RVE-QP-MIX	V15030	1 type CHAdeMO + 1 type II according to IEC 62196-2	50 kWDC / 22 kW AC	125 A <sub>DC</sub> 32 A <sub>AC</sub>	1 x RVE-QPM-MIX	Mode 4 CHAdeMO Mode 3 IEC 61851
Power Unit						
Tpe	Code	Power-Supply	Power Output	Maximum Output current	For connect with:	
RVE-QPM	V15040	Three-phase - 400 V <sub>AC</sub> 50/60 Hz	50 kW <sub>DC</sub>	125 A <sub>DC</sub>	RVE-QPM1 RVE-QPM2	
RVE-QPM-MIX	V15045	Three-phase - 400 V <sub>AC</sub> 50/60 Hz	50 kW <sub>DC</sub> 22 kW <sub>AC</sub>	125 A <sub>DC</sub> 32 A <sub>AC</sub>	RVE-QPM-MIX	