

# RVE-QPC

## Combo & CHADEMO outdoor fast charging unit



### Description

Fast charging point for Combo2, CHAdEMO and 63 A<sub>ac</sub> electric vehicles.

**CIRCUTOR** fast charging stations can charge electric vehicles in just a few minutes (15 ~ 30 min.) depending on battery capacity and charge level. The unit has a communications system (Ethernet, 3G, etc.) that allows for permanent connection with the remote control stations and logging of all the charging data along with real time control. The unit can also be remotely controlled and simply and efficiently managed.

### Applications

Service stations, outdoor car parks in hypermarkets, vehicle rental companies, etc.

### Technical features

<b>AC input</b>	AC electric supply	3P + N + Earth		
	AC voltage	400 Vac±5%		
	Nominal input current	143 A (software limit control)		
	Apparent power required	103 kVA		
	Power factor	> 0.96		
	Efficiency	95% nominal output power		
	Frequency	50 / 60 Hz		
	<b>Outputs</b>		AC	DC
Charging system		Mode 3	Mode 4 Chademo	Mode 4 combo CCS
Connector type		Type 2	JEVS G105	Combo 2
Cable length (m)		5	3	
Maximum output current (A)		63 Aac	125 AC	
Maximum output power (kW)		43	50	
Output voltage range		400 Vac(3P + N + Earth)	50 - 500 VDC	
<b>Electrical protections</b>		Overcurrent protection	MCB circuit breaker	
	Safety protection	RCD 30mA Type A		
<b>General</b>	Certified compliance	CHAdEMO / CE rev.0.9 / COMBO 2		
	Integration protocol	OCPP / XML		
	Charging unit status indicator	Three colour LED (green – blue – red)		
	Operating sound level	< 55 dBA		
	Display	8" HMI		
	RFID system	<b>ISO / IEC 14443A</b>		
	Cooling system	Built-in fans		
	Insulation system	High-frequency insulation transformer		
	Harmonic filters	< 13% THD		
	Operating temperature	-10...+45 °C (Heating system included)		
Operating humidity	30...90% non-condensing			
<b>Build features</b>	Enclosure material	Zinc Plated Steel & Stainless Steel		
	Protection degree	IP 54		
	Mechanical protection degree	IK10		
	Dimensions	654 (730) x 783 (826) x 2007 mm		
	Weight	445 Kg		
<b>Standards</b>	<b>IEC- 61851-23, IEC61851-24, IEC 61851-1, IEC 62196-2 , IEC-62196-3 IEC 61000</b>			

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### References

Type	Code	Charge mode	No. of connec.	Connector type	Voltage, current, power
RVE-QPC-50	V15100	4	1	Type JEVS G105	500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-MIX	V15130	3, 4	2	Type II, Type JEVS G105	400 V <sub>ac</sub> , 32 A <sub>ac</sub> , 22 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-MIX-63	V15131	3, 4	2	Type II, Type JEVS G105	400 V <sub>ac</sub> , 63 A <sub>ac</sub> , 43 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-CSS-AC32	V15140	3, 4	2	Type II, Type COMBO 2	400 V <sub>ac</sub> , 32 A <sub>ac</sub> , 22 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-CH-CCS	V15155	4	2	Type JEVS G105, Type COMBO2	500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-CH-CCS-AC63	V15160	3, 4	3	Type II, Type JEVS G105, Type COMBO2	400 V <sub>ac</sub> , 63 A <sub>ac</sub> , 43 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW
RVE-QPC-CH-CCS-AC32	V15165	3, 4	3	Type II, Type JEVS G105, Type COMBO2	400 V <sub>ac</sub> , 32 A <sub>ac</sub> , 22 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW 500 V <sub>dc</sub> , 120 A <sub>dc</sub> , 50 kW

### Dimensions

