

# RDC Charger



Description	Order Code
Robotina Dynamic Charger with type 2 cable and QR Code (digital key) reader. Modbus TCP/IP connectivity	RDC-QR

Robotina Dynamic Charger with type 2 cable and standard RFID reader. Modbus TCP/IP connectivity	<b>RDC-RF</b>
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader. Modbus TCP/IP connectivity	<b>RDC-MI</b>
Robotina Dynamic Charger with type 2 cable and QR Code (digital key) reader. Modbus TCP/IP connectivity. Built in residual current device	<b>RDC-QR-R</b>
Robotina Dynamic Charger with type 2 cable and standard RFID reader. Modbus TCP/IP connectivity. Built in residual current device	<b>RDC-RF-R</b>
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader. Modbus TCP/IP connectivity. Built in residual current device	<b>RDC-MI-R</b>
Robotina Dynamic Charger with type 2 cable and QR Code (digital key) reader and IOT linker for Cloud connectivity. Modbus TCP/IP connectivity.	<b>RDC-QR-I</b>
Robotina Dynamic Charger with type 2 cable and standard RFID reader and IOT linker for Cloud connectivity. Modbus TCP/IP connectivity.	<b>RDC-RF-I</b>
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader and IOT linker for Cloud connectivity. Modbus TCP/IP connectivity.	<b>RDC-MI-I</b>
Robotina Dynamic Charger with type 2 cable and QR Code (digital key) reader. Modbus TCP/IP connectivity. Built in residual current device and IOT linker for Cloud connectivity.	<b>RDC-QR-RI</b>
Robotina Dynamic Charger with type 2 cable and standard RFID reader. Modbus TCP/IP connectivity. Built in residual current device and IOT linker for Cloud connectivity.	<b>RDC-RF-RI</b>
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader. Modbus TCP/IP connectivity. Built in residual current device and IOT linker for Cloud connectivity.	<b>RDC-MI-RI</b>

## Features

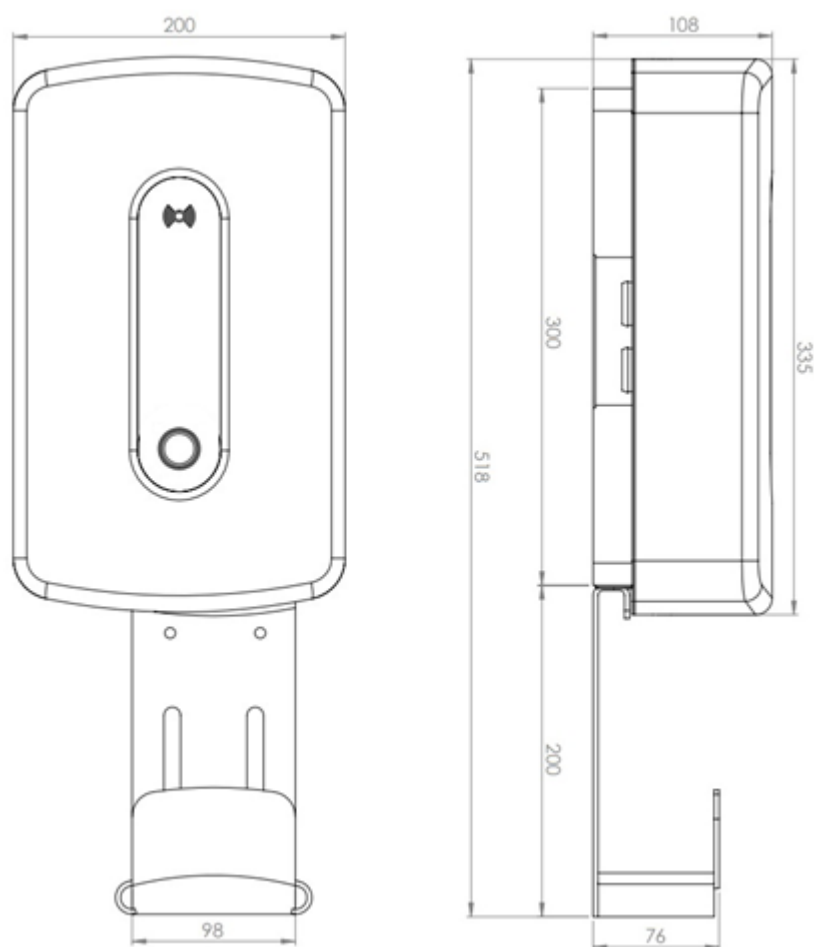
- **Up to 22kW of charging power** Enough to charge electric vehicle for distance of 100km in 45 minutes (calculation made for consumption of 16kWh per 100km)
- **Modern and simple design** With IP54 & IK10 standard suitable for indoor and outdoor use. Customable colours of the Charger enclosure.
- **Coloured LED light for charging status** Different color or color combination has a different meaning. You can easily see the status of the charger with the color of the LED light.
- **RFID, MIFARE card or QR code access control** To allow authorized usage only. Use RFID card MIFARE card or QR code to unlock and start charging process. Simple management, adding and removing charger users.
- **Charge with surplus energy** Whenever there is a surplus of renewable energy source. Suitable for systems where solar/wind inverter is connected to the home network.
- **Save by charging (eco charging) during off-peak hours**
- **Priority charging at the highest possible power**
- **Fully autonomous operation, automatic recovery from error**
- **Control up to 8 RDC Chargers - EV fleet** Suitable for multi-apartment buildings, hotels, etc.

- **HEMS - Home Energy Management System Enables remote control of key consumers (heat pump, battery storage system...). Dynamic current limiter keeps consumption power below grid fuses.**
- **Long range wireless power meters and relays for installation without cabling For easy installation and optimization of the energy consumption in the building**
- **6mA DC residual current, overvoltage and undervoltage protection**
- **30mA AC residual current**
- **RFID, MIFARE or QR access control**
- **Fully compliant with IEC 61851**

## Technical specifications

Nominal voltage	1x230Vac 50/60Hz, 3x230/400Vac 50/60Hz
Maximum current	1x32A, 3x32A
Maximum charging power	Single-phase → 7.4kW Three-phase → 22kW
Connector	Type2, 5m cable
Network connection	Ethernet 100M RJ45 4G LTE (option)
Ingress protection	IP54
Impact resistance	IK10
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to + 70°C
RCD (residual-current device)	DC, 6mA AC, 30mA (option)
Standards	IEC 61851

## Dimensions



## Cable holder mounting options

It can be installed directly on the RDC Charger



It can be installed independently on the wall

