Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

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

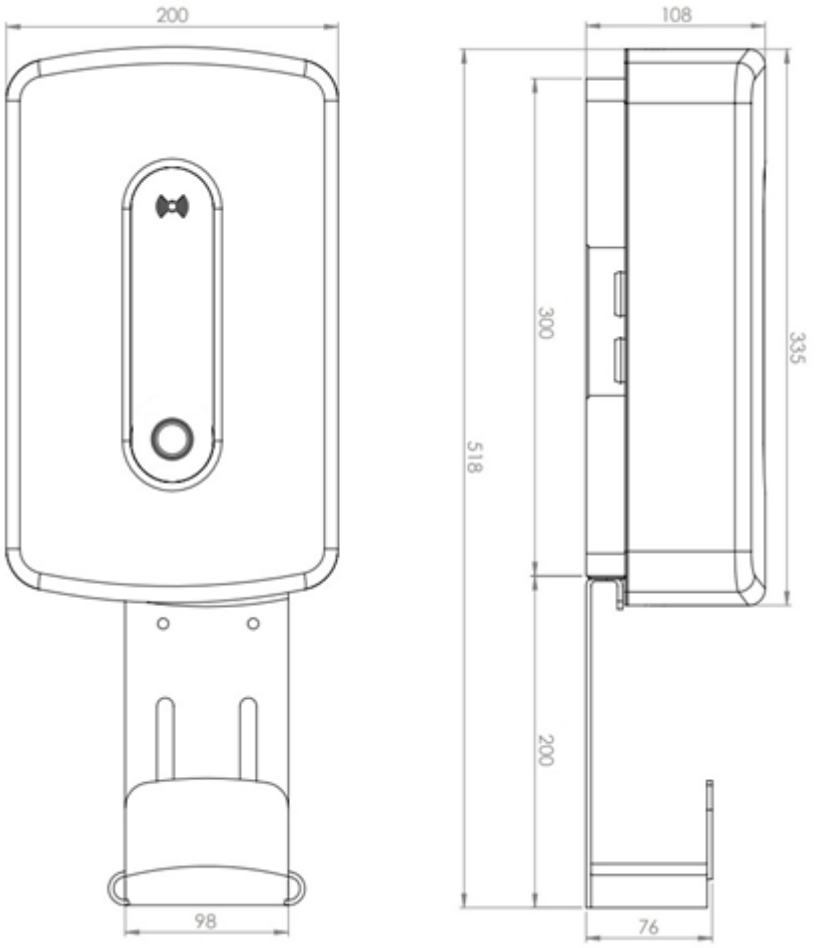
1.1. Features

- ** 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**

1.2. Technical specifications

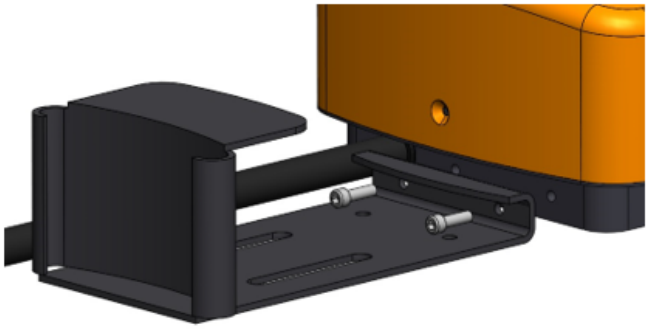
Nominal voltage	1x230Vac 50/60Hz, 3×230/400Vac 50/60Hz
Maximum current	1x32A, 3x32A
Maximum charging power	Single-phase → 7.4kW Three-phase → 22kW
Connector	Type2, 5m cable
Network connection	Ethernet 100M RJ45
	4G LTE (option)
Communication	OCPP 1.6
Ingress protection	IP54
Impact resistance	IK10
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to + 70°C
RCD (residual-current device)	DC, 6mA
	AC, 30mA (option)
Standards	IEC 61851-1:2019, EN 300 220, EN 300 328, EERC-RC-70-03-41.2

1.3. Dimensions



1.4. Cable holder mounting options

It can be installed directly on the RDC Charger



It can be installed independently on the wall

