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

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	**RDC-RF**
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader. Modbus TCP/IP connectivity	**RDC-MI**
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 reader. Modbus TCP/IP connectivity. Built in residual current device	**RDC-RF-R**
Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader. Modbus TCP/IP connectivity. Built in residual current device	**RDC-MI-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 reader and IOT linker for Cloud connectivity. Modbus TCP/IP connectivity.	**RDC-RF-I**

Robotina Dynamic Charger with type 2 cable and MIFARE/RFID reader and IOT linker for Cloud connectivity. Modbus TCP/IP connectivity.	**RDC-MI-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 reader. Modbus TCP/IP connectivity. Built in residual current device and IOT linker for Cloud connectivity.	**RDC-RF-RI**
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.	**RDC-MI-RI**

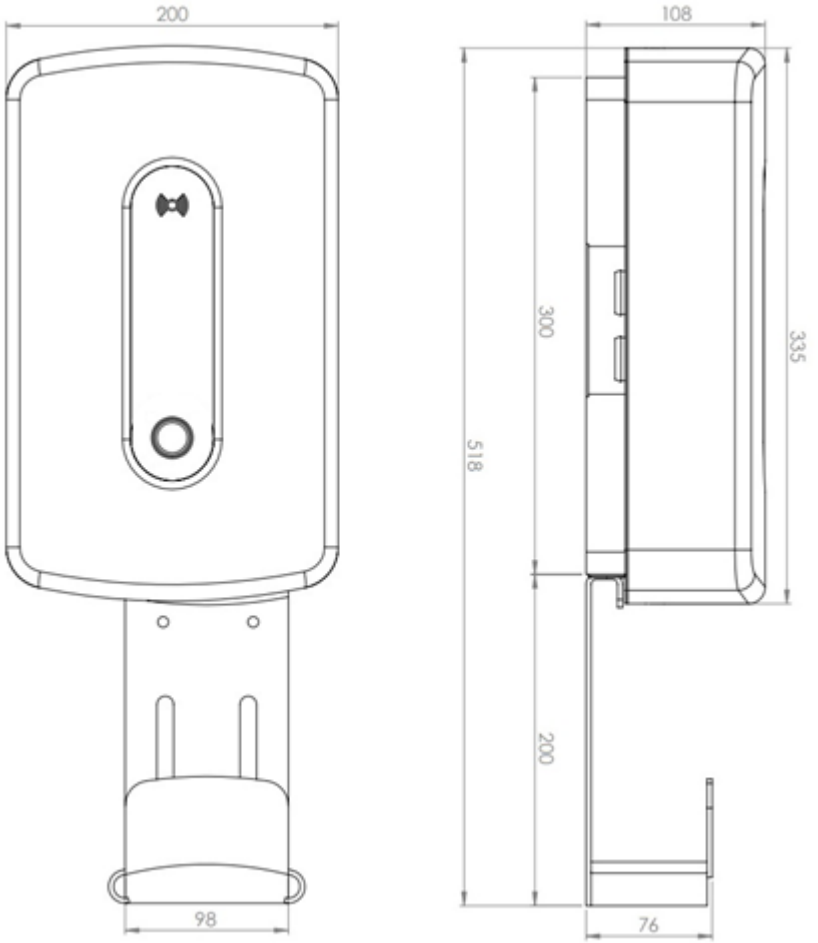
Features

- **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**
- **S• Control up to 8 RDC Chargers - EV fleet Suitable for multi-apartment buildings, hotels, etc. Chargers communicate with each other and enable optimal operation within the building. One Charger is master others are slaves.**
- **Charge with surplus energy**
- **Priority charging at the highest possible power**
- **Dynamic load balancing keeps consumption power below max allowed (protect grid fuse/s)**
- **Manage charging of electric vehicles (EV fleet)**
- **Remote control of key consumers (heat pump, battery storage system…)**
- **6mA DC residual current, overvoltage and undervoltage protection**
- **30mA AC residual current**
- **RFID or QR access control**
- **Long range wireless power meters for installation without cabling**
- **Fully compliant with IEC 61851**

Technical specifications

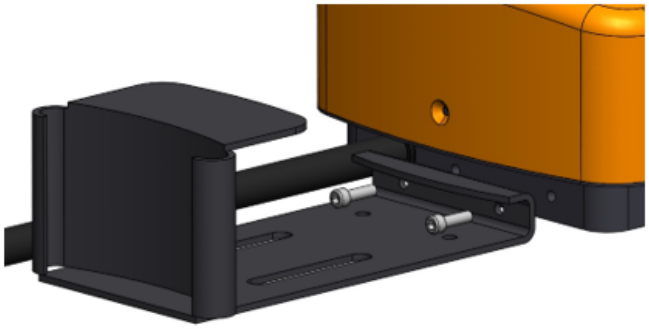
Nominal voltage	1x230Vac 50/60Hz, 3×230/400Vac 50/60Hz
Maximum current	1x32A, 3x32A
Maximum charging power	22kW
Connector	Type2, 5m cable
Network connection	Ethernet 100M RJ45
	4G LTE (option)
Ingress protection	IP54
Impact resistance	IK10
Operating temperature	-20°C to +60°C
Storage temperature	-40°C 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 RDX Charger



It can be installed independently on the wall