

# RDX Charger



Description	Order Code
Robotina charger with type 2 cable and RFID card reader	<b>RDX-RF</b>
Robotina charger with type 2 cable, RFID card reader and residual current device	<b>RDX-RF-R</b>
Robotina charger with type 2 cable, RFID card reader and IOT Linker	<b>RDX-RF-I</b>
Robotina charger with type 2 cable, RFID card reader, residual current device and IOT linker	<b>RDX-RF-RI</b>
Robotina charger with type 2 cable and QR code reader	<b>RDX-QR</b>
Robotina charger with type 2 cable, QR code reader and residual current device	<b>RDX-QR-R</b>
Robotina charger with type 2 cable, QR code reader and IOT Linker	<b>RDX-QR-I</b>
Robotina charger with type 2 cable, QR code reader, residual current device and IOT linker	<b>RDX-QR-RI</b>

- Up to 22kW of charging power
- Modern design with IP45 & IK10 standard
- Suitable for indoor and outdoor use
- Coloured LED light indicates charging status
- Easy operability with one button on housing for charging modes & stop
- Monitor & control charger operation via web-based cloud interface
- Compatible with 3rd party software
- Secure charger with remote locking option
- Save by charging (economy charging) during off-peak hours
- Charge with surplus energy (solar & wind 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
- RFID or QR access control to allow authorized usage only
- Long range wireless power meters for installation without cabling
- Fully compliant with IEC 61851

# RDX Charger Introduction

## PLUG IN & GO

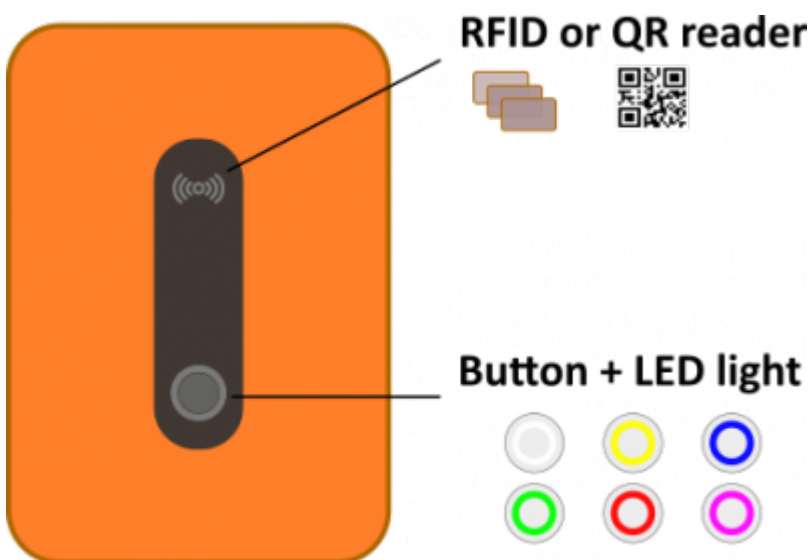
Simply connect vehicle to charge and unplug to drive.

*Robotina Charger* makes charging as easy as possible by enabling of charging using button on housing or by application on cloud.

## BUTTON & LED on housing

- charging starts automatically as soon as vehicle is connected with power cable
- press button to stop charging, press again to restart
- press and hold button to activate priority charging
- LED light indicates charging status
- operating with button doesn't require active application

*\*Button on housing and "button" on cloud application share same functionality. It doesn't matter which one is used.*



## RFID or QR

- authentication for users
- charging starts after authentication is successful
- RFID or QR reader could be installed on housing, both is not possible.

## LOCKED

- disable unauthorized use of charging station
- locked is deactivated by authorized RFID card, key fob or by cloud application

## ECONOMY CHARGING










- allows charging with a current set by user
- charging at low tariff only (depending on table set by user)
- charging by surplus energy only or in combination with grid power

## PRIORITY CHARGING

- Utilize all available power to charge as fast as possible
- In case of *Dynamic load balancing* temporary suspends high-power loads to increase available power for charging simultaneously keeping total power below max allowed power

How to physically mount charger please see [LINK](#) (to be inserted).

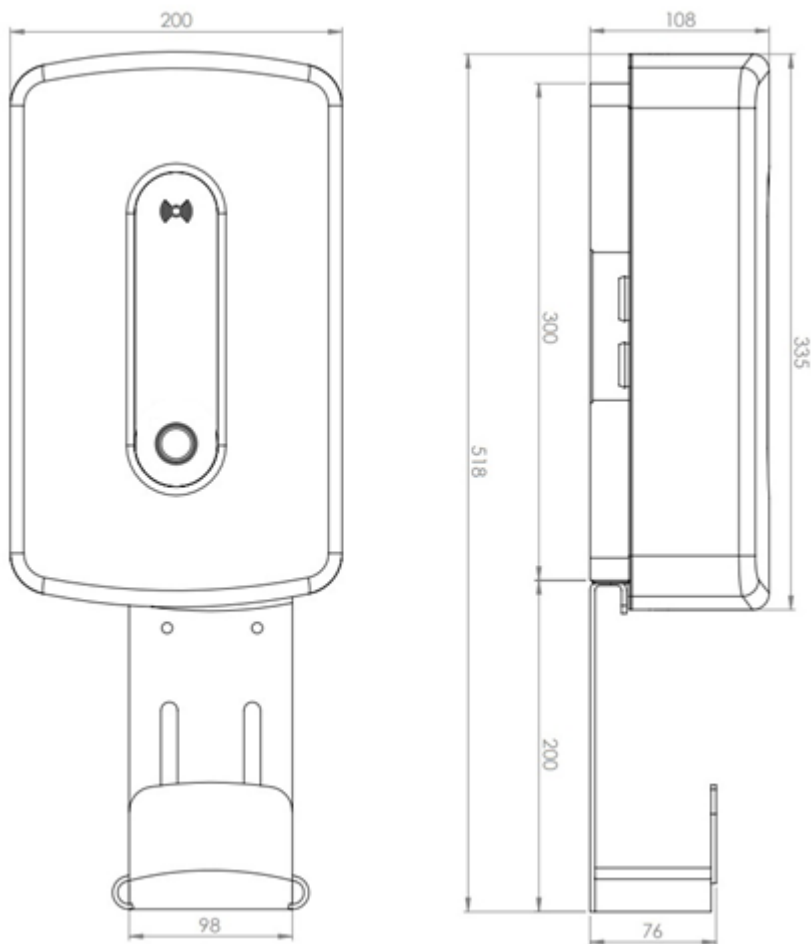
How to operate with charger please see [LINK](#) (to be inserted)

LED indicator	Steady light	Flashing light
	EV not connected	Paused by EVSE (short press to unpause)
	EV connected, not charging	Paused by EVSE (short press to unpause)
	EV connected, charging	/
	EV connected, charging ended	/
	/	Error
	/	Locked
	/	Priority charging
	/	Priority charging paused
	/	Priority charging ended

## Technical specifications

Nominal voltage	1x230Vac 50/60Hz, 3x230/400Vac 50/60Hz
Maximum current	1x32A, 3x32A
Maximum charging power	22kW
Connector	Type2, 5m cable
Network connection	Ethernet 100M RJ45
Ingress protection	IP54
Impact resistance	IK10
Operating temperature	-20°C to +45°C
Storage temperature	-40°C to + 70°C
Charging pilot negative	1mA, 20ms reaction time
Residual direct current	6mA, 200ms reaction time
Standards	IEC 61851

## Dimensions



## Cable holder mounting options

It can be mounted directly on the charger,



or it can be mounted independently on the wall



Accessories

Description	Order Code
Wireless external single-phase Power sensor	WPM1-E-D
Wireless external three-phase Power sensor	WPM3-E-D
Wireless relay, to control other loads in the building	WR-1
Protective roof	RDX-PR
Freestanding set	RDX-FS

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