



We develop and manufacture
Russian EV charging stations



ABOUT COMPANY

Rewatt was founded in 2016 by a team of professional engineers. Over the 8 years of its existence, the company has accumulated a lot of experience, having become a technological leader in the industry. 1,200 charging stations have been supplied and installed, over 1,000 test charging sessions have been performed, and 90 electric car models have been tested. Today REWATT is a largest specialized EVSE manufacturer in Russia.

Company
founded
REWATT

2016

2017

First contract
for the supply
of DC stations

2018

Laboratory
and production
site opened

2019

Own production
first complex lanched

2020

Production
site expanded
to 1,000 m²

2021

Transition to serial
production of AC stations

2022

Skolkovo-resident
status obtained

Patents for developments
registered

The first SLA
contract in Russia signed

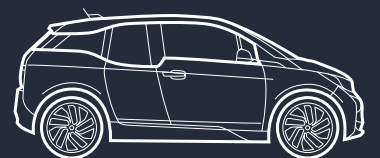
Serial were products
tested on 100+
electric vehicles

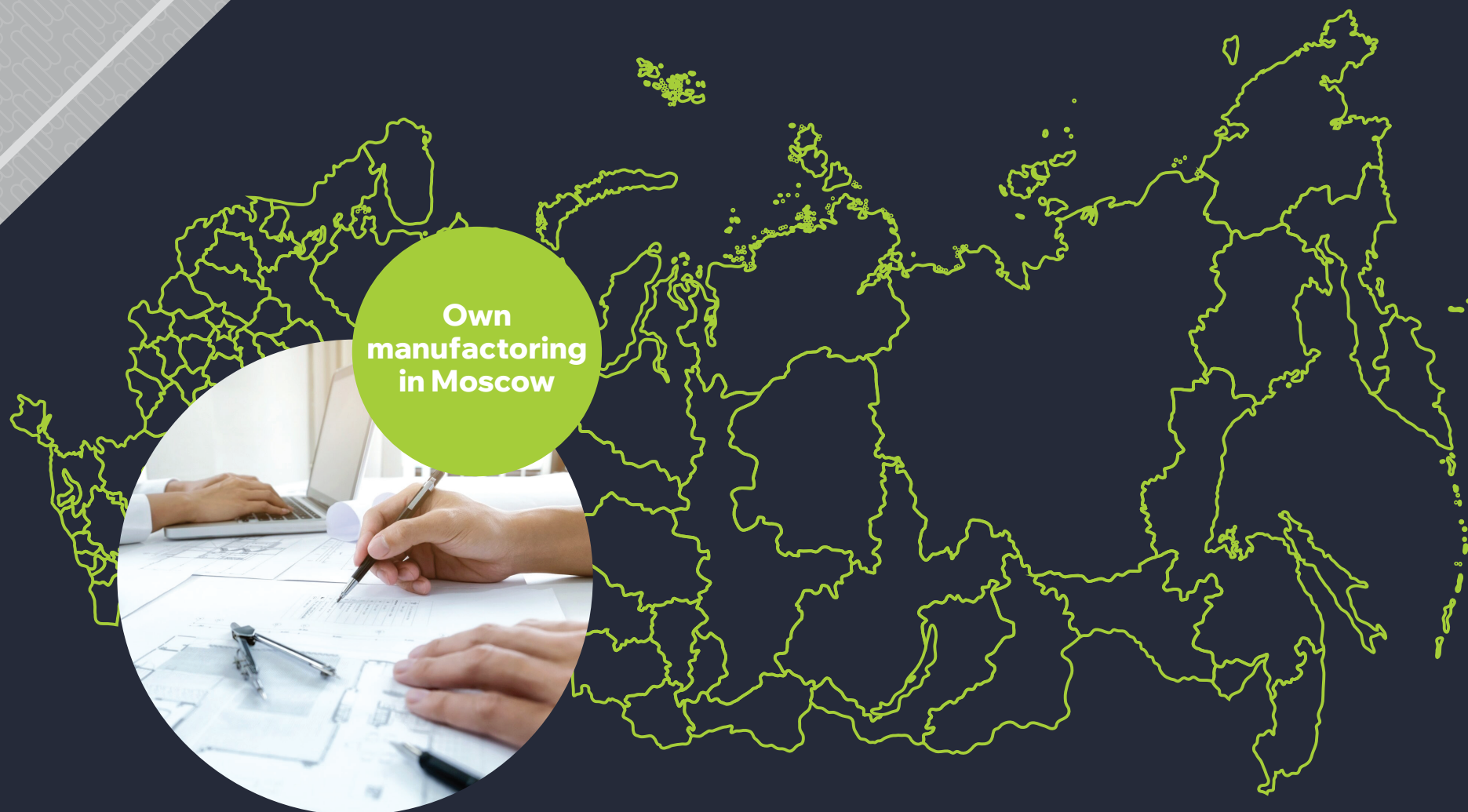
2023

A new 5,000 m²
production
complex launched

REWATT is a largest
specialized manufacturer
of electric charging systems

**2024
TODAY**





NATIONAL DEVELOPMENT

Our RnD department conducts its own developments of electric charging systems. Right now we are implementing the promising technologies of tomorrow. Our solutions are designed to create public charging infrastructure in cities and on highways, as well as for installation in the private sector.

Rewatt core business are: production of commercial AC and DC charging stations and accessories for them, software development, assembly, installation and maintenance, as well turnkey solutions electric charging infrastructure.

8 years

in the market of electric charging
stations manufacturing



FOR THE COUNTRY



FOR BUSINESS



FOR PEOPLE



1 200

stations produced and installed

>1 000 MWh

of electricity supplied

>1 000

electric vehicle test charging sessions conducted

5 000 m²

production site in Moscow



PRODUCTION

- Own full-cycle production in Moscow – from idea generation till release of the final product
- Modern technological machines and equipment
- No compromises in engineering
- Modern quality management system and strict output control

RE REWATT

MuON-22

AC charging station for electric vehicles designed for public charging networks

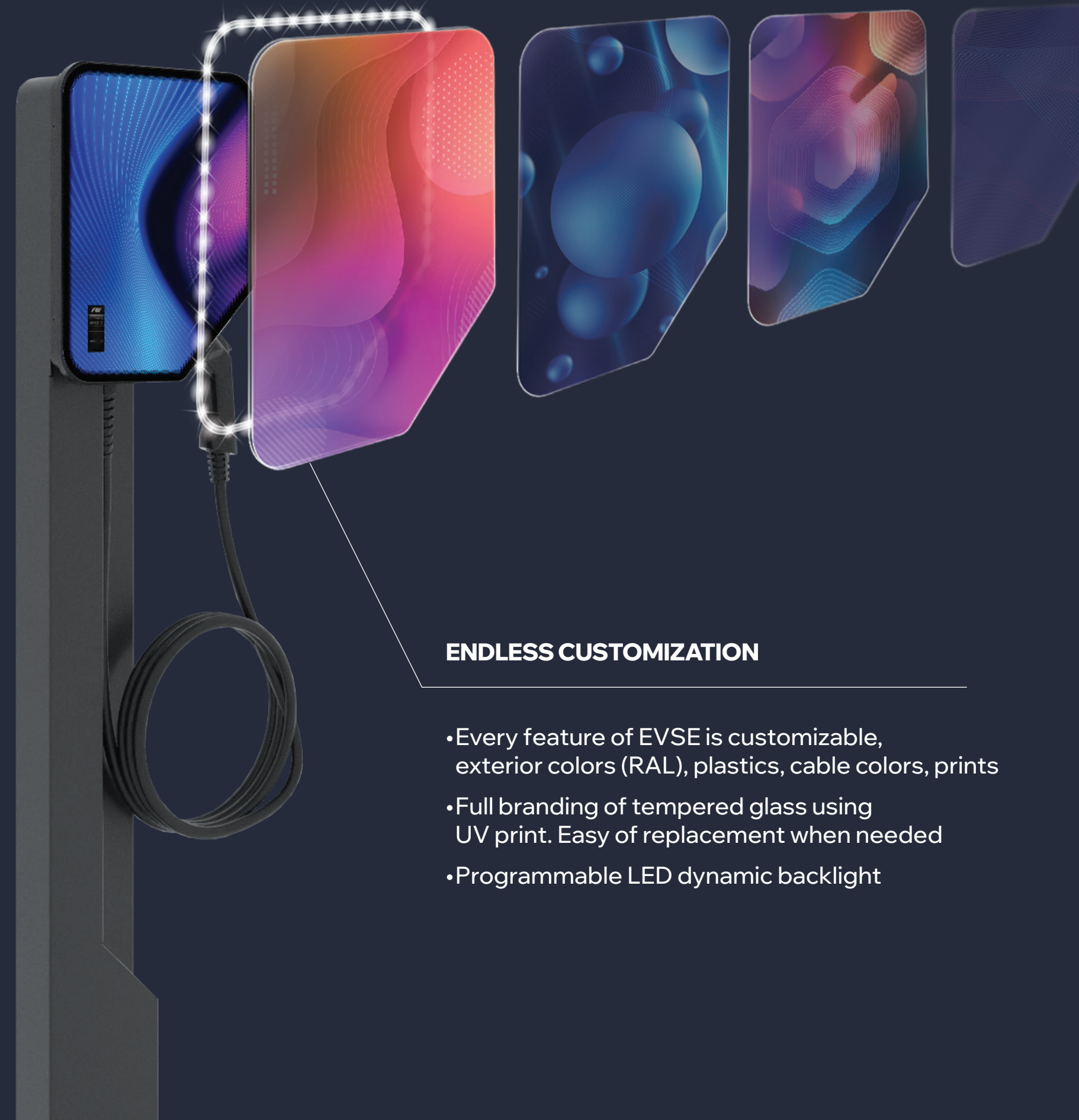
ERGONOMIC SOLUTION WITH TWO MOUNTING OPTIONS: FLOOR AND WALL MOUNTING

Unique configuration on integrated boards. Advanced technological approach provides significant reduction of weight and size of the station, while maintaining reliability



ENDLESS CUSTOMIZATION

- Every feature of EVSE is customizable, exterior colors (RAL), plastics, cable colors, prints
- Full branding of tempered glass using UV print. Easy of replacement when needed
- Programmable LED dynamic backlight



MuON-22

Single connector commercial EVSE,
specifically designed for harsh environment
of commercial charging networks

EXTERIOR

- Ergonomic design
- Front panel made of tempered glass
- Integrated LED dynamic backlight
- Power independent e-ink display
- Fully customizable front glass

INTEGRATED ELECTRONICS

- Full spec charge and safety controller, including hardware interlock for more safety
- Integrated sound system
- Overtemperature protection on all power elements
- Current leakage sensors and overcurrent protection
- Integrated 3G/4G, BLE and GPS

PERFORMANCE

- All possible charging standards, including Type 1, Type 2, GB/T, NACS
- Full water and dust protection (IK10, IP54)
- Voice notifications
- Stainless steel and ABS plastic with tempered glass case
- Different mounting options: lightpost mounts, wall mounts, pedestal stand





22 kW
power output

30 min.
connection

ALL POPULAR
CONNECTOR TYPES:



GB/T AC



Type 1



Type 2

SAFETY

- Integrated RCD
- Overcurrent protection
- Surge protection, type 1-2-3
- Over/undervoltage protection
- Stand by voltage detection
- <10 ms protection reaction time

POWER BALANCING

RealAdaptive@ power balancing
if up to 125 EVSE in series configuration

ADDITIONAL OPTIONS:

- Wall adapter for difficult wall conditions (uneven surfaces and natural landscape)
- Lightpost mounting adapter
- Floor mount stand

TECHNICAL SPECIFICATIONS

Nominal voltage	400 V
Maximum current	32 A
Power connection	3 Phase
Frequency	50/60 Hz
Stand-by power	10 W
Cable connection	6-16 mm ²
External interfaces	3G/4G, ETH, RS-485, CAN
Protocols	OCPP 1.6J, OCPP 2.0.1, REWATT API
Plugs and sockets	Type 2 plug; Type 2 socket; GB/T AC
Operating temperature	- 35 ... +45°C
Operating humidity	Up to 95% non-condensable
Protection class	IK10, IP54

MuON DUO

44 kW power with 2 connectors in a compact protected “wallbox” format. Complies with IK10 and IP54 protection standards. Ready-to-use solution for quickly starting a commercial charging infrastructure based on OCPP 2.0.1 protocol

EXTERIOR

- Ergonomic design
- Front panel made of tempered glass
- Integrated LED dynamic backlight
- Power independent e-ink display
- Fully customizable front glass

INTEGRATED ELECTRONICS

- Full spec charge and safety controller, uncluding hardware interlock for more safety
- Integrated sound system
- Overtemperature protection on all power elements
- Current leakage sensors and overcurrent protection
- Integrated 3G/4G, BLE and GPS

PERFORMANCE

- Full spec charge and safety controller, uncluding hardware interlock for more safety
- Integrated sound system
- Overtemperature protection on all power elements
- Current leakage sensors and overcurrent protection
- Integrated 3G/4G, BLE and GPS



SAFETY

- Integrated RCD
- Overcurrent protection
- Surge protection, type 1-2-3
- Over/undervoltage protection
- Stand by voltage detection
- <10ms protection reaction time

ADDITIONAL OPTIONS:

- Wall adapter for difficult wall conditions (uneven surfaces and natural landscape)
- Lightpost mounting adapter
- Floor mount stand

22/44 kW
power output

ALL POPULAR CONNECTOR TYPES:



POWER BALANCING

RealAdaptive@ power balancing if up to 125 EVSE in series configuration

TECHNICAL SPECIFICATIONS

Nominal voltage	400 V
Maximum current	63 A
Power connection	3 Phase
Frequency	50/60 Hz
Stand-by power	10 W
Cable connection	6-16 mm²
External interfaces	3G/4G, ETH, RS-485, CAN
Protocols	OCPP 1.6J, OCPP 2.0.1, REWATT API
Plugs and sockets	Type 2 plug; Type 2 socket; GB/T AC in any combination of two
Operating temperature	- 35 ... +45°C
Operating humidity	Up to 95% non-condensable
Protection class	IK10, IP54

ReON 40/80/120/160kW

A DC charging station for electric vehicles designed for use in public charging networks. Ready out of the box solution for fast charging networks. Designed to put into service withing 60 minutes of mounting time

EXTERIOR

- Ergonomic design
- Front panel made of tempered glass
- Integrated LED dynamic backlight
- Integrated Full HD sun readable display
- Fully customizable front glass

INTEGRATED ELECTRONICS

- Full spec charge and safety controller, uncluding hardware interlock for more safety
- Full overtemperature protection – every controller, electric contactor, DC module – has multiple temperature sensors, to prevent any heat accumulation, and increase overall product longevity
- Current leakage sensors, insulation resistance and overcurrent protection, work continuously, including standby and charging operations
- Full UPS for powering internal electronics (for monitoring and environmental) in case of a power outage
- Integrated 3G/ 4G, BLE and GPS



SAFETY

- Real time leakage and isolation monitoring
- Hardware interlock for parallel operation
- Surge protection, type 1-2-3
- Over/undervoltage protection
- Stand by voltage detection

POWER BALANCING

Adaptive dynamic load management system with proportional reduction or “fair distribution”

ADDITIONAL OPTIONS:

- ReON-40 / ReON-80
- wall mounting bracket
 - stand for floor mounting
 - power balancing module
 - wall adapter for harsh conditions (uneven surfaces and natural landscape)

ALL POPULAR CONNECTOR TYPES:



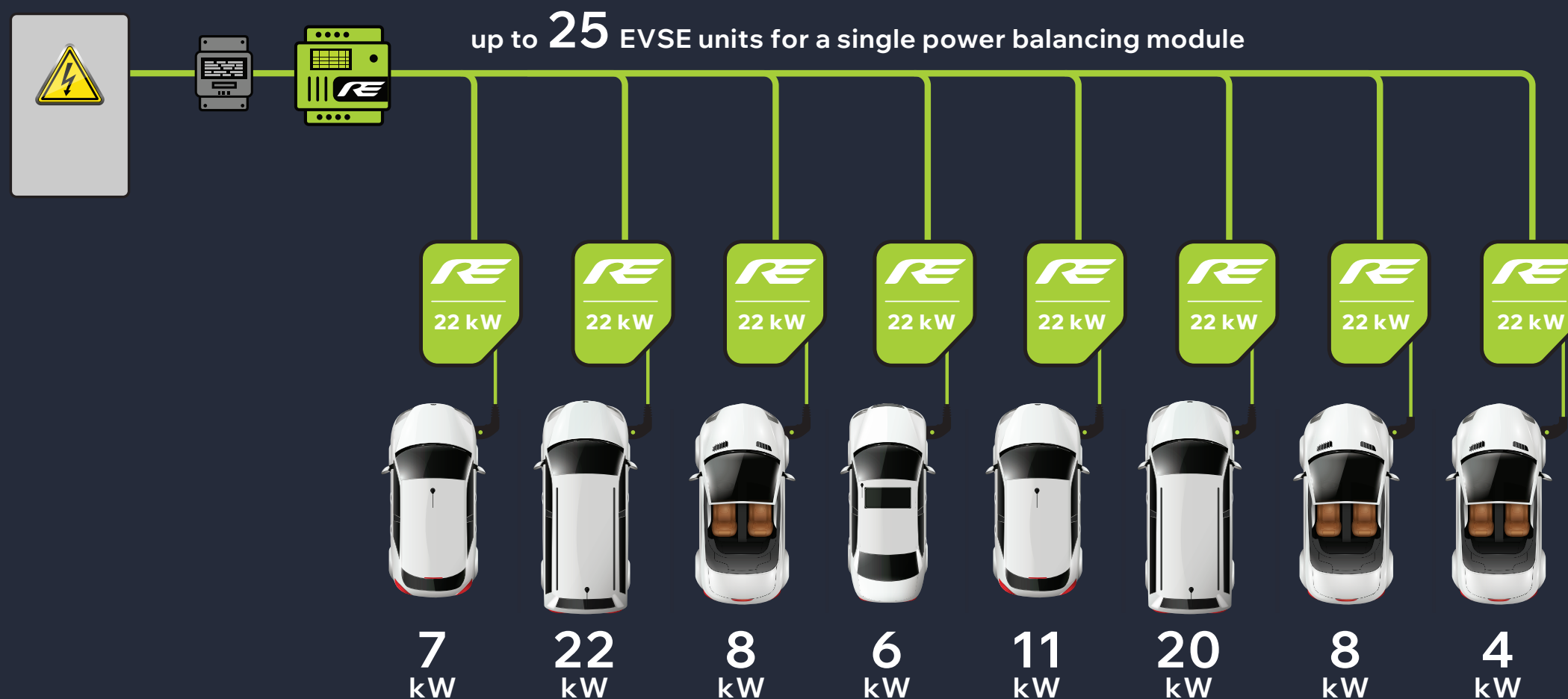
GB/T DC CHAdeMO CCS2

TECHNICAL SPECIFICATIONS

Model	ReON-40	ReON-80	ReON-120	ReON-160
Maximum output power	40 kW	80 kW	120 kW	160 kW
Nominal input current	63 A	125 A	200 A	247 A
Nominal input voltage	400 V ± 10%, 50 Hz			
Power grid system	Three-phase, TN-S			
Cable connection	25-240 mm²			
Supported connectors	CCS2, GB/T DC, CHAdeMO			
Number of connectors	1 & 2			
Operational mode	Charging 1 or 2 electric vehicles			
External interfaces	3G/4G, ETH, CAN			
Protocols	OCPP 2.0.1, REWATT API			

REWATT POWER BALANCING SYSTEM

Sophisticated solution specifically crafted for the efficient management of load across conjunctions of AC charging stations belonging to the MuON series, boasting a power capacity of up to 22 kW



The actual charging consumption of most electric vehicles is determined by the power of the on-board converter and ranges from 7.4 to 11 kW.

The use of a power balancing system optimizes the operation of the hub, allows you to manage the load on the network. The use of the BM module makes it possible to distribute unused power between the hub stations, providing an opportunity to increase the number of stations by 2 times without changing the conditions of grid connection.

REMOTE MONITORING AND OPERATIONAL TECHNICAL SUPPORT

Real-time technical support and remote software updates. Monitoring of power balancing system, monitoring, remote diagnostics:

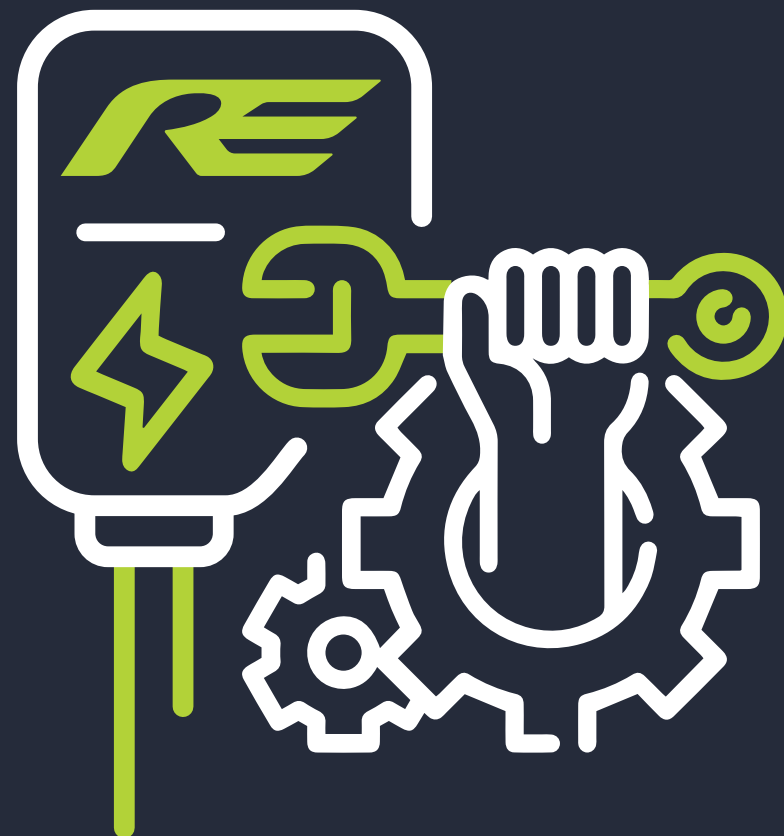
- 3G/4G/ETH – for communication with the service department and monitoring
- USB port – for local software updates
- Rewatt API – for data exchange between the power balancer and charging stations

VARIOUS SCENARIOS FOR MONETIZATION OF CHARGING SERVICES:

- Priority charging – unlimited power at any time with an increased cost
- Night charging – full power at night with a reduced cost
- Standard charging – power according to the actual load of the power supply system at a typical tariff

POWER BALANCING MODULE:

- Reduces the cost of grid connection
- Makes it possible to create charging hubs with limited power supply
- Distributes power based on the number of electric vehicles being charged
- Determines and uses only free capacity of the power supply system

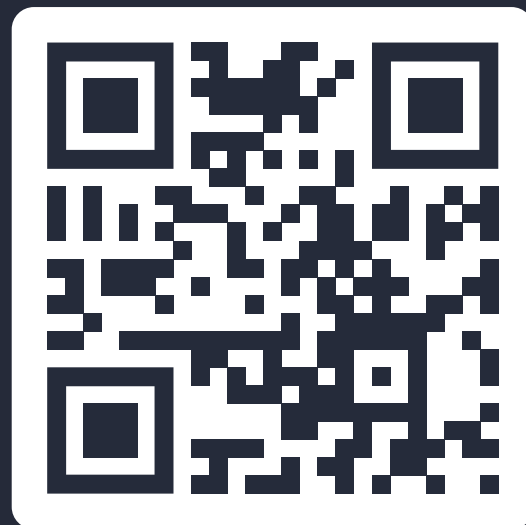


TECHNICAL SPECIFICATION

Nominal voltage	400 W \pm 10%
Current range	1-100 A
Number of EVSE connected	Up to 25
Maximum distance to EVSE	250 m
External communication	3G/4G, ETH
Internal ports	RS-485, CAN

OUR PARTNERS &
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