



Product Specifications

# RTM75

75kW



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## Product Specifications

**Output Power:** 50kW | 75kW

**Output Voltage:** 150-920V DC

**Output Current:** 50kW: 135A | 75kW: 200A

**3rd Party UL & CE Certified**

**Simultaneous Charging of Two Vehicles**

**Charging Cable Types:** CCS: 200A | NACS: 200A

**Charging Cable Lengths:**

3.6m (11ft 9in)

6m (19ft 8in) with cable management

**10" LCD Screen with customisable HMI**

**DC Meter Option**

**Customer Branded Vinyls Option**

**Supply Input:** 3Ø AC

**Efficiency:** >95%

**Power Factor:** >0.99

**Total Harmonic Distortion:** <5% THD

**Electrical Protection:** Over current, over voltage, under voltage, short circuit, surge protection, protective earth continuity monitor.

**Safety Sensors:** Tilt and door ingress

**Authentication Methods:**

RFID: MI-FARE ISO/IEC 14443A/B | ISO/IEC 15693 | ISO/IEC 18000-3 | FeliCa | NFC

Credit Card: Credit card terminals – various models

Remote start: mobile application

Vehicle: ISO15118 Plug and Charge | Autocharge

Free mode: no authentication

**Communication Protocols:**

EVSE to EV: ISO 15118-2, DIN 70121 | ISO 15118-20 ready

EVSE to CSMS: OCPP 1.6J | 2.0.1 ready

**Network Connection:** Cellular 4G/LTE | Ethernet

**Accessibility:** Meets Americans with Disabilities Act (ADA) and EN 301 549 Accessibility Height Requirements



# Environmental

**Enclosure Construction:** Aluminium double skin

**Impact Protection Rating:** IK10

**Ingress Protection Rating:** IP65, NEMA Type 3R

**Maximum Operating Altitude:** 3000m (9842ft)

**Operating Temperature:**

- 50kW: -35°C to +50°C (-31°F to +122°F)
- 75kW: -35°C to +50°C (-31°F to +122°F) (with derating)

**Storage Temperature:** -35°C to +70°C (-31°F to +158°F)

**Acoustic Noise:** Maximum 65dB (variable under load)

# Physical

|          |                                                 |
|----------|-------------------------------------------------|
| Height   | 1998mm (78.6")                                  |
| Width    | 783mm (30.8")                                   |
| Depth    | 309mm (12.1")                                   |
| Weight   | Up to 294kg with cable management (649lbs)      |
| Shipping | Up to 380kg depending on configuration (822lbs) |



# RTM75 COMPLIANCE

## Standards

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Europe: CE              | IEC 61851-1, IEC 61851-23, IEC 62311, IEC 61851-21-2, ETSI EN 303 446-1, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 301 489-52                       |
| North America: UL / CSA | USA: UL 2202, 47 CFR § 1.130, FCC 47 CFR Part 15 B, FCC certified GSM (4G)<br>Canada: CSA C22.2, RSS-210 and SPR-002, ICES-003, ISED certified GSM (4G) |

## Environmental

Global RoHS | WEEE

## Cyber security

Global ISO 27001  
EU EU Cyber Resilience Act

## Legal Metrology

|         |           |              |        |
|---------|-----------|--------------|--------|
| Europe  | MID       | USA National | NTEP † |
| France  | LNE       | California   | CTEP   |
| Germany | Eichrecht |              |        |

† Pending Certification Completion





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