TRITIUM

RTM75/**75kW**

INNOVATING YOUR FUTURE

Smart, Scalable, Reliable

SMALL FOOTPRINT

RTM75 represents the perfect balance of size and power, making it easy to install, easy to own and easy to use.

LIQUID COOLING

Rated for operations from -35°C to +50°C (-31°F to +122°F), and can sustain at full power at an operating temperature of 40°C (+104°F) all day, every day.

SEALED ENCLOSURE

Tritium's world-famous IP65 sealed enclosure enables a wide choice of installation options, regardless of any harsh environmental conditions.

YOUR FUTURE INTO MODULAR SCALABLE CHARGING

Tritium's modular and scalable RTM75/75kW is the tipping point to electrification of transportation and is powering the e-mobility revolution. This smart, scalable and reliable platform couples Tritium's DNA of liquid cooling, small footprint, and industry leading IP65 rated enclosure, with a modular power electronics design.

With the best ingress protection, modular power options, quiet operating mode, and superior reliability and safety, the RTM75 is suited to a number of EV charging use cases including EV fleet operations, highway rest stops, convenience stores, municipal or utility charging installations, heavy vehicle destination charging, retail, and department and convenience stores, as well as parking lots.

Compatible with all domestic, commercial and fleet EVs using the CCS or CHAdeMO standards, this charger can provide CCS cable output up to 920V and 180A DC (up to 500V and 125A via CHAdeMO) and supports the ISO15118 CCS communication standards. The 75kW charger has an integrated safety loop with tilt and door sensors that can be connected to an upstream safety disconnect.

Charging is available via 3m (10') length cables without cable management or 6m (19'6') length cables with integrated cable management. The chargers' HMI utilises a 10.1" LCD display fitted with advanced viewing angles to optimise transaction flow.

The RTM75 is equipped with Tritium's market-validated implementation of ISO15118 Plug and Charge. Plug and Charge enables appropriately configured EVs and charging equipment to communicate, authenticate, and transact seamlessly via the charging cable. This means that charging can truly be as simple as plug in and the charging starts.

With the RTM75, Tritium introduces Whisper Mode charging. Whisper Mode allows the RTM75 to be configured to operate under a specific acoustic noise output level. When Whisper Mode is enabled, the charger will derate charging power to ensure that the configured acoustic noise level is not exceeded. This allows the RTM75 to be installed in areas and jurisdictions with noise abatement requirements that would traditionally hamper or totally prohibit the installation of EV charging solutions

Flexibility to design custom vinyl wraps for the front and back of the RTM75 offers a unique opportunity for branding these chargers to amplify your visual brand identity.

The RTM75 also features LED downlights that, in addition to offering a measure of security, clearly illuminate the branded panels. These lights, combined with the vinyl wraps (tailor-made to your specifications), provide a competitive edge, enable customer loyalty, and help heighten public awareness of your organization's support for sustainable energy solutions and a commitment to enabling cleaner healthier cities.
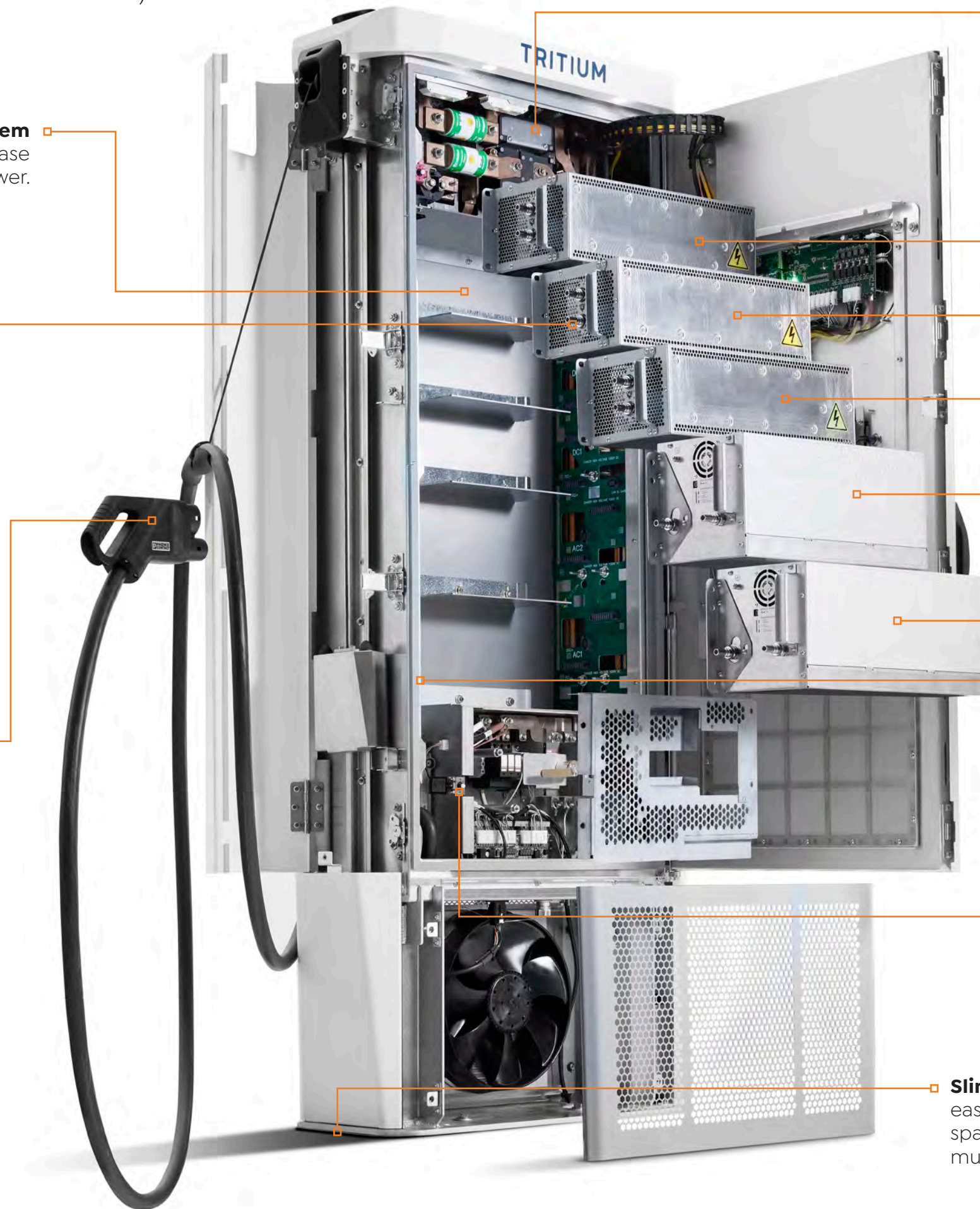
EASY TO INSTALL, EASY TO OWN, EASY TO USE.

Upgradeable Modular System allows you to easily increase charger power.

Liquid Cooling ensures quiet and consistent operation, even during the most extreme temperatures.

Long Cables with integrated management system, making it easy for drivers to plug in, while keeping cables neatly off the ground.

DC Meter for superior power delivery measurement.

Easy to Service power electronics modules rated for single person lift.

Sealed Enclosure means less wear and tear, longer system life and lower maintenance with no filters to change.

Increased Safety with door and tilt sensor that support upstream breakers, ensures the charger is de-energised quickly in an emergency.

Slim, Compact Footprint allows for easy installation in front of the car space, between vehicles, and in multi story car parks.

FUTURE-PROOF YOUR ELECTRIFICATION JOURNEY

Unique Benefits:

- Small enough to fit into confined spaces – 1,998mm x 850mm x 308mm (78.6" x 33.4" x 12.1")

- Rapid installation in under two hours to reduce set-up costs

- Whisper Mode allows the charger to be configured to meet site specific noise abatement requirements

- Designed and engineered for reliability to support a wide range of grid voltages

- RTM75/75kW uses the same footprint as the RT50/50kW, that allow for easy upgrades in the future

- Increased reliability – operates continuously at full power in ambient temperature of up to +40°C (+104°F) without derating

- Optional tailor-made front and back decals to your design specifications to amplify your brand and enable customer loyalty

- Front and back LED down lights for increased visibility and measured security

- Designed with field serviceability in mind – easy to open, single-person-lift modules

- Optimal functionality in a wide range of environmental conditions and site locations

- Validated Safety - Third-party certified to the latest UL or IEC safety standards

- Sealed enclosure reduces the wear and tear on internal components, maximizing hardware lifespan and reducing maintenance

- Eichrect DE-M Meter ready (Germany)

Key Features:

- Patented liquid-cooled technology

- Sealed electronics enclosure (IP65)

- Durable and robust double skin metal enclosure – IK 10 (HMI IK08)

- Simultaneous Charging ready (dual EVSE)

- Mix and Match Cables - CCS1, CCS2 and/or CHAdeMO

- 200V to 920V DC output

- Option for six-meter-long cables with integrated cable management

- 10" LCD display

- Supports ISO 15118 'Plug and Charge' technology for hassle-free authentication and payment

- Wide operating temperature range -35°C to +50°C (-31°F to +122°F)

- Continuous operation at ambient temperature of -35°C to +40°C (-31°F to +104°F)

- Ethernet & 3G/4G wireless communication

- Optional contact-less for 3-in-1 credit card reader

- Door ingress and tilt sensors with support for upstream disconnect

SERVICE & DATA MANAGEMENT

Customer Care

Whether you are interacting with our dedicated 24/7 customer care, our onboarding engineers and technicians, or our cloud-based management platform 'myTritium', we strive to remove the complexity and costs of managing your EV charging network.

myTritium facilitates the day to day management of Tritium chargers with features like 'live chat', which allows you direct interaction with Tritium's highly trained and experienced support teams.

Tritium's MSC platform is validated, measured, and tested against the latest OCPP specification, for hassle free integration into your OCPP back end platform. Before you first deploy a new charger with Tritium, our customer onboarding team will work through validation of the charger on your OCPP back end platform to ensure when your Tritium chargers are shipped to you, they are ready to go when powered on.

Our powerful data interaction tool, Pulse, enables a 'single pane of glass', providing real-time insight, data analytics, and reporting on the usage and status of your charging network. Through the combination of these advanced technologies, Tritium sees 95% of service requests diagnosed remotely and 75% resolved without requiring any onsite intervention.

Data Management & Transparency

Tritium is anchored with the principle of earning our customer's trust through transparency. This is the heart of why Tritium's Pulse platform exists: to allow us to have real, data driven conversations with you, our customer on how your network of chargers is really performing. This conversation can be hard to have if OCPP data is all you have to operate with. Where OCPP data ends, Tritium Pulse begins.

Tritium's Pulse platform expands on the basic levels of data available via OCPP and allows further insight and detail of your charger network to achieve greater visibility and drive greater reliability. Pulse provides real-time data and insight to monitor charger readiness, detailed tracking across your network, as well as flexible analytics. With Pulse's data visualisations and intuitive design, you can extract insight from your network from real time charger status, to historical state and error conditions. Pulse also gives visibility into grid conditions, detailed system performance metrics, granular vehicle charge statistics and energy delivery. Coupled with capabilities for alerting and monitoring, detailed status and network connectivity statistics, Pulse is a platform that empowers your team to succeed.