



- + Slim, compact, stylish
- + Modular design
- + Liquid cooled & IP65 rated
- + 3rd party certified
- + Latest safety standards
- + Durable, low maintenance
- + Increased reliability
- + Whisper quiet operation mode
- + Eichrecht DE-M DC Meter Compatible

RTM75 – 75kW

Specifications

INNOVATING YOUR FUTURE



CONNECTORS	CCSI/2 200A, CHAdEMO 125A		
CABLE LENGTH	Standard: 3m length - no cable management Option: 6m length - cable management included		
OUTPUT POWER	Up to 75kW	Up to 920V	Up to 188A
SUPPLY INPUT	3Ø AC see overleaf for regional details		
SUPPLY FREQUENCY	50-60 Hz +/-10%		
IP RATING	IP65		
IK RATING	IK10 (Excluding Screen)		
EFFICIENCY	95%		
POWER FACTOR	>0.99		
TOTAL HARMONIC DISTORTION	<5% THD		
MAXIMUM OPERATING ALTITUDE	2000 m (6561')		
OPERATING TEMPERATURE	-35°C to 40°C (-31°F to 104°F) sustained operation at full power Rated for operation to 50°C (122°F) (de-rating applies)		
STORAGE TEMPERATURE	-35°C to 70°C (-31°F to 158°F)		
COMMUNICATION PROTOCOL	OCPP v1.6J		
NETWORK CONNECTION	3G/4G/Ethernet for network		
AUTHENTICATION METHOD	RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC		
CREDIT CARD READER	Optional Contact-less or 3-in-1 (region dependant)		
ELECTRICAL PROTECTION	Over current, Over voltage, Under voltage, Short circuit, Surge protection, Protective earth continuity monitor		
DIMENSIONS	1998 x 850 x 309 mm (79" x 34" x 12")		
WEIGHT	266kg with cable management (587lbs)		
SHIPPING WEIGHT	Up to 320kg depending on configuration (704lbs)		
ACCESSIBILITY	Meets US ADA, EN 301 549, DIN 18040 Height Requirements		
OPTIONS	• Simultaneous ready (dual EVSE) • Eichrecht DE-M Certified DC Meter* • 10" LCD display • Tilt Sensor upstream disconnect • Door Ingress Sensor upstream disconnect • 6m Cables with Cable Management		
SAFETY COMPLIANCE*	WORLDWIDE: CE USA: cTUVus		
EMC*	WORLDWIDE: EMC Directive USA: FCC	Immunity: Class A Immunity: Class A	Emissions: Class B Emissions: Class B

*Pending certification completion

AC GRID INTERFACE

ITEM	WORLDWIDE: (400VAC / 415VAC) 75 KW	USA: (480VAC) 75 KW
VOLTAGE	400VAC 3ph (no neutral) +/-10%	480VAC 3ph (no neutral) +/-10%
FREQUENCY	50Hz +/- 10%	60Hz +/- 10%
NOMINAL CURRENT AT NOMINAL VOLTAGE LEVEL	114A	95A
MAXIMUM CURRENT AT LOW LINE LEVEL (NOMINAL VOLTAGE - 10%) AND PF>0.99	114A	105A
OVER CURRENT PROTECTION DEVICE REQUIRED (OCPD) IN SITE DISTRIBUTION BOARD	125A breaker recommended (Required for supply cable protection)	125A breaker recommended (Required for supply cable protection)
UNDER-VOLTAGE RELAY/SHUNT TRIP RELAY IN SITE DISTRIBUTION BOARD (OPTIONAL)	The RTM75 includes options for circuitry to locally isolate the charger's power circuit if the safety loop monitor connected the door switches, tilt sensor, leak sensor or protective earth continuity monitor is triggered. Additionally, the charger can also include options to allow upstream isolations in the event of a safety loop trigger event by including an under-voltage relay coil or shunt trip module on the feeder circuit breaker in the site distribution board. Tritium Veefil chargers should only be installed by a licensed contractor and a licensed electrician, in accordance with all local and national codes and standards. This may include additional, lockable disconnect mechanisms within line of sight of the supplied equipment.	
MINIMUM BURIED CABLE SIZE FOR AC SUPPLY	Single cores in buried duct: 50mm ² Cu for L1,2,3 25mm ² Cu for PE	Single cores in buried duct: 3AWG Cu for L1,2,3 4AWG Cu for PE
(LENGTH OF AC CABLES AND SYSTEM EFFICIENCY SHOULD BE CONSIDERED WHEN SIZING CABLES)	Multicore cable in buried duct: 50mm ² Cu	Multicore cable in buried duct: 2AWG Cu
	Multicore cable direct buried: 35mm ² Cu	
MAXIMUM LENGTH OF BURIED CABLES FOR MINIMUM AC LINK CABLE SIZE SPECIFIED	200m (To maintain feeder voltage drop below 3%)	200m (To maintain feeder voltage drop below 3%)

A U S T R A L I A • U S A • E U R O P E

tritium.com.au • enquiries@tritium.com.au

Worldwide +61 7 3147 8500 • 48 Miller Street, Murarrie, QLD 4172, Australia

USA +1 310 961 5299 • 20000 Vermont Avenue, Torrance, CA 90503, United States

Europe +31 202 250 100 • Luchtvaartstraat 3B, 1059 CA Amsterdam, Netherlands

Veefil® is a registered trademark of Tritium Pty Ltd. © 2020 Tritium Pty Ltd