Tritium RTM50 – 50kW DC Charger

Fast, seamless and sustainable public EV charging

Smart

- **DC Charging** – most convenient for locations where vehicles are parked for mid or short periods of time. Adds up to 100 miles of range in ~35 minutes*

- **bp pulse App, RFID and Credit/Debit Card** authenticated access control

- **3G/4G/LTE and Ethernet** connectivity

- **MID** – charging the exact cost of usage

- **Display** – 10.1" Display provides hassle-free engagement

- **Over-The-Air (OTA) updateable** to enable new features and for security updates.

- **Simultaneous Charging** – capable to charge 2 vehicles at the same time

  * actual charge times vary depending on vehicle.

Seamless

- RFID card and Credit/Debit Card provide access to public bp pulse charge points.

Sustainable

- Cost-effective and enables a net-zero carbon EV charging solution for public.

- Helps support Corporate Social Responsibility (CSR) and public desire for increased supplier sustainability.

Tritium RTM50 – 50kW DC Charger

Secure

- Protected – by advanced overload protection and electric current management software
- A complete service from design, manufacturing, installation to handover
- 24/7 customer support
- Expertly installed by professional, skilled electricians and engineers

Options available

- RTM50 Best/2 - CID 19919 - 50kW / CCS2 & CHAdeMO / 6m cable / Simultaneous Charging
- RTM50 Best   - CID 18599 - 50kW / Dual CCS2 / 6m cable / Simultaneous Charging

Tritium RTM50 – 50kW DC Charger

General specifications

	RTM50 Best/2 - CID 19919	RTM50 Best - CID 18599
Product code	RTM50 BEST/2 19919	RTM50 BEST 18599
Connectivity	3G/4G/LTE, Ethernet	3G/4G/LTE, Ethernet
Input:	400V AC 50Hz	
Rated Current	3P + N + E 84A max	
Output Cables	200A CCS2 125A CHAdeMO	Dual 150A CCS2
Simultaneous Charging	Yes	
Cable Length	6m	
Electrical Output Voltage	CCS2: 150-920V DC CHAdeMO: 50-500V DC	
Dimensions (H x W x D)	1998 x 850 x 309 mm (79" x 34" x 12")	
Shipping weight	Up to 380kg depending on configuration (822lbs)	
Warranty	Two years parts and labour warranty	

Technical specifications

Cable Standards	CCS Type 2 IEC 62196 & CHAdeMO
Operating temperature range	-35°C to +55°C
RFID system	ISO 14443A, ISO/IEC 15693, ISO/IEC 18000-3
Communication protocol	OCPP 1.6J
Mechanical impact protection rating	IK10
Ingress protection rating	IP65

Technical specifications cont.

Display	10.1" LCD Display
Measurement	Built-in MID Meter
Rated current of circuit	76A Nominal, 84A Max
Over Current Protection Device Required (OCPD) in Site Distribution Board	100A Breaker Recommended
Fault Current Limiting Fuses in Site Distribution Board	37.5kA
Intended for use by ordinary persons or skilled persons?	Ordinary
EMC classification	Immunity Class A, Emission Class B
Vandalism Protection	Door ingress and tilt sensors with support for upstream disconnect

Directives & Standards

UK Electromagnetic Compatibility Directives 2016 EU EMC Directive 2014/30/EU	Designated Standards/Harmonised Standards: IEC 61851-21-2: 2018 EN 61000-6-4:2007/A1:2011 EN 61000-6-2:2005 EN 62311:2008
UK Electrical Equipment (Safety) Directives 2016 EU Low voltage directive 2014/35/EU	Designated Standards/Harmonised Standards: EN 61851-23:2014/COR1:2016 + EN 61851-1:2011 EN IEC 61851-1:2019
UK Radio Equipment Directives 2017 EU Radio Equipment Directive (RED) 2014/53/EU	Designated Standards/Harmonised Standards: EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-52 V1.1.0
RoHS	UK RoHS Regulations 2012 EU RoHS Directive 2011/65/EU

Certification Markings

UKCA | CE

Order Codes

Chargers

SKU	Description
RTM50 BEST/2 19919	TRITIUM 50KW CHARGER "BEST"/2 19919
RTM50 BEST 18599	TRITIUM 50KW CHARGER "BEST" 18599

Further descriptions

Customised Cable Options

Different combination of CCS2 and CHAdeMO cables with long lengths offers flexibility for different needs, locations and use-cases.

Internet connected via wired LAN ethernet or 3G/4G/LTE

Provides required connectivity between EVSE and the Charge Point Management System (CPMS)

Simultaneous Charging

Simultaneous charging;

- offers 2 different customers to charge their vehicles at the same time,

- reduces waiting times,

- increases the charging capacity and frequency of the site.

Display

Seamless engagement thanks to 10.1″ screen. Users can check the charge session details on the screen clearly.

Chargevision portal

Site and fleet managers can access our cloud-based management platform via a web portal for live monitoring and reporting and historical usage reporting.