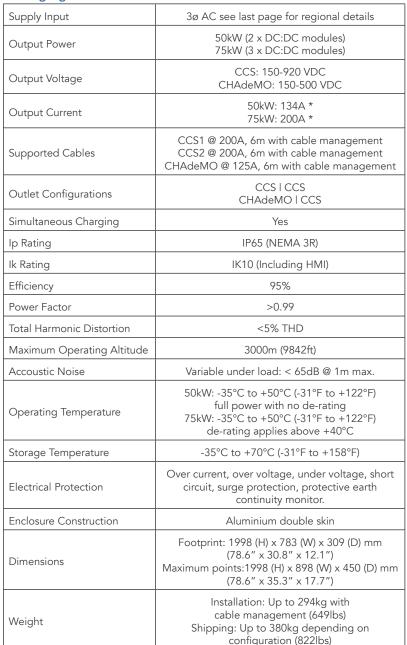


LCP-RTM50-75

DC Fast Charger

Specifications

Charging Station





Connectivity

Communication Protocol	OCPP v1.6J (ready for OCPP 2.0.1)	
Network	Cellular: 3G/4G	
Connection	Wired: Ethernet	

User Interface

- 1	Authentication Methods	RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC Plug & Charge (ISO 15118-2) Mobile application Free mode / AutoStart
ŀ	Display	10.1" display with 4 control buttons

Safety & Certification

Jaiety & Certification			
Safety Features	RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC Plug & Charge (ISO 15118-2) Mobile application Free mode / AutoStart		
Safety Compliance	10.1" display with 4 control buttons USA - FCC 47 CFR Part 15 B CANADA - ICES-003 California - CDFA-DMS - NIST Handbook 44 † Height requirements: US Americans with Disabilities Act and EN 301 549 Standard 2-year warranty		
Electromagnetic Compatibility Certification (Emc)			
Dual Dc Energy Meters			
Accessibility			
Warranty			

^{*}Unless limited by cable type †Pending certification completion

Optional

Branding	Customer branded vinyls Powder coating upon request	
Metering	[DE-M] DC meter †	
Payment Options	Credit card reader contactless or 3-in-1 (region dependent), field upgradeable (optional)	

Status Indication	Charge state indicator lights	
Cable Length	3.6m charging cables with no cable management	
Warranty Extension	+1YR / +2YR / +3YR	





LCP-RTM50-75

AC Grid Interface

Specifications

Grid Interface

Item	USA (480VAC)		
Power Level	50kW	75kW	
Voltage	480VAC 3ph (no neutral) +/-10%		
Frequency	60Hz +/-10%		
Nominal Current at Nominal Voltage Level	63A	95A	
Maximum Current at Low Line Level (Nominal Voltage - 10%) and PF>0.99	70A	105A	
Over Current Protection Device Required (OCPD) in Site Distribution Board	80A breaker recommended (required for supply cable protection)	125A breaker recommended (required for supply cable protection)	
Fault Current Limiting Fuses In Site Distribution Board	Current limiting fuses or a UL/CE certified current limiting circuit breaker MUST be installed if available fault current exceeds 37.5kA.		
Residual Current Monitoring In Site Distribution Board (Optional)	If local regulation requires a residual current monitoring device, it must feature adjustable time delay and adjustable threshold.		
Under-Voltage Relay/Shunt Trip Relay In Site Distribution Board (Optional)	The RTM range includes options for circuitry to locally isolate the charger's power circuit if the safety loop monitor connected to 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 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.		
Reference Calculation Of Buried	Single cores in buried duct:		
Cable Size For Ac Supply	6AWG Cu for L1,2,3 8AWG Cu for PE	3AWG Cu for L1,2,3 4AWG Cu for PE	
(Length of AC Cables and System Efficiency Should be Considered	Multicore cable in buried duct:		
When Sizing Cable)	4AWG Cu	2AWG Cu	
Ac Supply Cable Size	Cable sizes must be calculated on a per site basis as length, burial/conduit method, insulation rating, soil type will all affect correct sizing.		

