



PKM150

Charging Station

Product Specifications

E L E C T R I F Y T R A N S P O R T A T I O N

PKM150
CHARGING STATION
SPECIFICATIONS

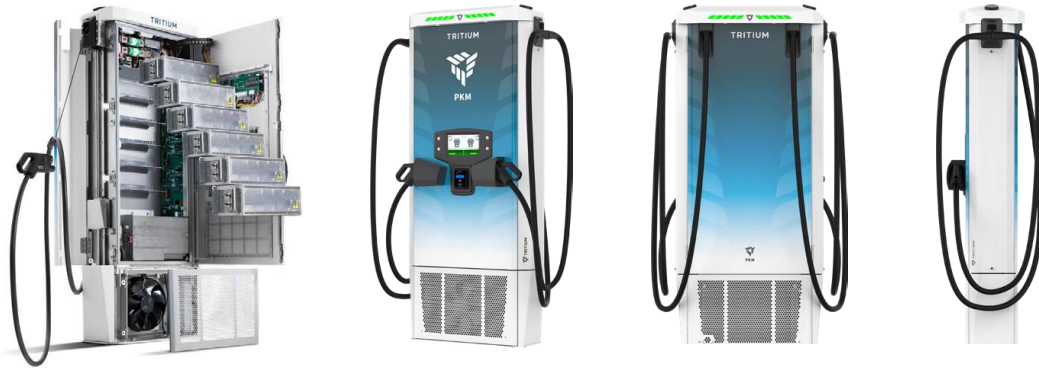


CHARGING STATION EDITIONS

Feature	PKM CS
POWER LEVELS OFFERED	150kW
3RD PARTY UL AND CE CERTIFIED	✓
SINGLE PERSON LIFT FIELD REPLACEABLE MODULES	✓
10" LCD SCREEN	✓
SENSOR PACKAGE (TILT, DOOR INGRESS)	✓
SIMULTANEOUS CHARGING OF TWO VEHICLES	✓
CHARGING CABLE OPTIONS AVAILABLE	CCS: 200A / 350A CHAdeMO: 125A NACS: 200A / 350A
CHARGING CABLE LENGTH OPTION	3.6m (11ft 9in) / 6m (19ft 8in)
CHARGING CABLE MANAGEMENT	6m (19ft 8in): ✓
CHARGE STATE INDICATOR LIGHTS	Optional
CUSTOMER BRANDED VINYLs	Optional
CARD READER OPTIONS (CHARGER INTEGRATED)	No Reader RFID Reader Credit Card Reader with RFID Support
DC METER (REGIONAL)	Optional †
STANDARD WARRANTY	2 years
WARRANTY EXTENSIONS AVAILABLE	+1YR / +2YR / +3YR

† Pending Certification Completion

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Item	Specification	
MAXIMUM OUTPUT POWER	Single Vehicle Charging	150kW
	Simultaneous Charging	2x 75kW
OUTPUT VOLTAGE	CCS	150-920VDC
	CHAdemo	150-500VDC
	NACS	150-920VDC
OUTPUT CURRENT	Single Vehicle Charging	Up to 350A
	Simultaneous Charging	Up to 400A (2x 200A)
SUPPLY INPUT	950V DC	
IP RATING	IP65	
	NEMA TYPE 3R	
IK RATING	IK10	
EFFICIENCY	>97%	
MAXIMUM OPERATING ALTITUDE	3000m (9842ft)	
ACOUSTIC NOISE	Maximum 65dB (variable under load)	
OPERATING TEMPERATURE	-35°C to +50°C (-31°F to +122°F) (with derating)	
STORAGE TEMPERATURE	-35°C to +70°C (-31°F to +158°F)	
COMMUNICATION PROTOCOL	V2G Application Protocols:	DIN 70121:2012, ISO 15118:2:2013
	EVSE to CSMS:	OCPP v1.6J (OCPP 2.0.1 capable in future)
NETWORK CONNECTION (SYSTEM)	Ethernet	
AUTHENTICATION METHODS	RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC	
	Vehicle: ISO15118 Plug and Charge, Autocharge	
ELECTRICAL PROTECTION	Over current, over voltage, under voltage, short circuit, surge protection	
ENCLOSURE CONSTRUCTION	Aluminium double skin	
DIMENSIONS	Footprint: 1998mm (78.6") (H) x 783mm (30.8") (W) x 309mm (12.1") (D)	
	Maximum points: 1998mm (78.6") (H) x 898mm (35.3") (W) x 450mm (17.7") (D)	
WEIGHT	Up to 335kg	
ACCESSIBILITY	Meets American with Disabilities Act (ADA), EN 301 549 Accessibility Height Requirements	

CHARGING STATION COMPLIANCE

Category	Standard
ELECTRICAL SAFETY	<p>Europe - CE:</p> <ul style="list-style-type: none"> • IEC 61851-1 – Electric vehicle conductive charging system general requirements • IEC 61851-23 – Electric vehicle conductive charging system DC electric vehicle charging station <p>North America - UL/CSA:</p> <ul style="list-style-type: none"> • UL 2202 • CSA C22.2
ELECTROMAGNETIC COMPATIBILITY (EMC)	<p>Europe - CE:</p> <ul style="list-style-type: none"> • IEC 61851-21-2 – EMC requirements for off board electric vehicle charging • IEC 61000-6-1 – Immunity for residential environments • IEC 61000-6-4 – Emissions for industrial environments • IEC 61000-6-2 – Immunity for industrial environments <p>North America - FCC:</p> <ul style="list-style-type: none"> • USA - FCC 47 CFR Part 15 B • Canada - ICES-003
RADIO EQUIPMENT DIRECTIVE (RED)	<p>Europe:</p> <ul style="list-style-type: none"> • ETSI EN 301 489-1 – Standard for radio equipment and services Part 1: Common technical requirements • ETSI EN 301 489-52 – Standard for radio equipment and services Part 52: Specific conditions for cellular communication user equipment (UE) radio and ancillary equipment • ETSI EN 303 446-1 – Standard for combined and/or integrated radio and non-radio equipment Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations
ELECTROMAGNETIC FIELD (EMF)	<p>Europe:</p> <ul style="list-style-type: none"> • IEC 62311 <p>Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)</p>
ENERGY ACCURACY	<p>Global</p> <p>California - CTEP - NIST Handbook 44: - Class 5</p> <p>Germany - MessEV / MessEG / Eichrecht †</p> <p>Europe - MID †</p> <p>USA National - NTEP - NIST Handbook 44 †</p>
OTHER	<p>Singapore:</p> <p>TR25: 2016- Electrical vehicle charging system †</p>

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