



# LCP-PKM100-150

DC Fast Charger

## Specifications

### Charging Station

Maximum Output Power	Single Vehicle Charging: 150KW Simultaneous Charging: 2 x 75kW
Output Voltage	CCS: 150-920VDC CHAdeMO: 50-500VDC
Output Current	Single Vehicle Charging: up to 350A Simultaneous Charging: up to 400A (2 x 200A)
Supply Input	950VDC (DC Microgrid)
Ip Rating	IP65 (NEMA 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	OCPP v1.6J
Network Connection (System)	Ethernet
Authentication Methods	RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC Vehicle: ISO15118 Plug and Charge
Electrical Protection	Over current, Over voltage, Under voltage, Short circuit, Surge protection
Enclosure Construction	Aluminium double skin
Dimensions	1998mm (H) x 850mm (W) x 309mm (D) (79" x 34" x 12")
Weight	Up to 335kg (739lbs) depending on configuration
Accessibility	Meets US ADA, EN 301 549 Accessibility Height Requirements
Safety Compliance*	WORLDWIDE: CB certified, IEC 61851-1, 61851-23 on configuration USA, CANADA: cTUVus, NRTL Certified to UL 2202 and CSA C22.2 No. 107.1
Emc*	WORLDWIDE: EMC Directive Immunity: Class A Emissions: Class B USA: FCC Immunity: Class A Emissions: Class B

\* Pending certification completion

# LCP-PKM100-150

## DC Microgrid Rectifier Unit

### Specifications

#### Rectifier Unit

Item	USA: (480VAC)
Output Power	Up to 360kW total
Input Voltage	480VAC 3ph +/-10% Derating applied on low line level and phase imbalance
Frequency	60Hz +/- 10%
Nominal Current at Nominal Voltage Level	450A
Maximum Current at Low Line Level (Nominal Voltage - 10%) and PF>0.99	480A
Input Overvoltage Category	Category III
Efficiency*	>98.1%
Surge Protection	UL listed Type 1 SPD in = 20kA, SCCR = 200kA, including backup fuse
Output Voltage	950VDC
No. DC Outputs	1 to 4
Short Circuit Current Rating	18kA
Isolation Between AC Mains and Charging Station	Not isolated
Power Factor (Charging)	>0.99
Total Harmonic Distortion (THD)	<5%
Maximum Operating Altitude	2000m (6562ft)
Operating Temperature	-35°C to +50°C (-31°F to +122°F) (with derating) 5-95% RH Non Condensing
Storage Temperature	-40°C to +65°C (-40°F to +149°F) 5-95% RH Non Condensing
Communication Protocol	OCPP v1.6J
Network Connection	3G/4G/Ethernet
Network Connection (System)	Ethernet to Charging Stations

Weight	510kg (1125lbs) for base RU + 15kg (33lbs) for cable interface + 15kg (33lbs) per DC Port	
Shipping Weight	510kg (1125lbs) for base RU + 15kg (33lbs) for cable interface + 15kg (33lbs) per DC Port + 90kg (199lbs) for crate	
Dimensions	2345mm (H) x 650mm (W) x 1100mm (D) (93" x 26" x 44")	
IK Rating	IK10	
IP Rating	IP55 (NEMA 3R)	
Power Supply	Battery-backed UPS functionality for telemetry during power outage	
Over Current Protection Device (OCPD) Required In Site Distribution Board	Yes	
Residual Current Monitoring In Site Distribution Board	Optional	
Under-Voltage Relay or Shunt Trip Relay Required In Site Distribution Board	Yes	
EMC*	FCC	Immunity :Class A  Emissions: Class A

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