VELION®

150 KW SINGLE ARM ELECTRIC VEHICLE CHARGING STATION

NEMA BABA CERTIFIED 70901-11
EVSE





REDEFINING RELIABILITY OF EV CHARGING

With a proven track record of engineering rugged and dependable industrial equipment, Lincoln Electric is delivering the next generation of electric vehicle chargers with the Velion® EV charger. Designed with industrial-grade components, the Velion platform delivers fast charging speeds with unparalleled reliability for the ultimate performance and uptime.

This product is manufactured with steel made and melted in the U.S.A. It complies to Buy America (BA), Buy American (BAA), Build America, Buy America (BABA), and American Iron & Steel (AIS) standards.

With an industry-leading 3-year standard warranty and a nationwide service network, with Velion, you're covered for whatever comes your way.

Charging Type »
DC Fast Charging

DC Output Voltage »
200-1000V DC

DC Output Current »
Up to 350 A

DC Output Power »
Up to 150 kW

Input Voltage »
480VAC +/- 10% (60Hz), 3-Phase,
Protective Earth (UL Model) (no neutral)

Part Numbers »
Velion® 150kW DCFC Power Tower K5488-2-150-1
Velion® Electric Vehicle Charger CCS1 Single Cable Dispenser K5489-2-1XC-15 or K5489-2-1CX-15

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LINCOLN ELECTRIC

MODELS

Part Number	Product Name	Description
K5489-2-1XC-15	Velion Single Charge Session Dispenser	15 ft CCS1 cable on right side of dispenser with cable management system
K5489-2-1CX-15	Velion Single Charge Session Dispenser	15 ft CCS1 cable on left side of dispenser with cable management system
K5488-2-150-1	Velion 150 kW DCFC Power Tower	Level 3, DC Fast Charging
K5490-1	Velion Electric Vehicle Charger Single One-Pak®	15 ft CCS1 cable on right side of dispenser with cable management system and 150 kW power tower

TECHNICAL SPECIFICATIONS*

Charging Station	
Charging Type	Level 3, DC Fast Charging
Input Voltage	480VAC +/- 10% (60Hz), 3-Phase, Protective Earth (UL Model) (no neutral)
Input Current	194A
DC Output Voltage	200-1000V DC
Output Current	up to 350 A (continuous)
DC Output Power (max)	150 kW
Efficiency (full-load)	>95%
Power Factor (full-load)	> .99
THDi	< 5%
Enclosure Rating	NEMA 3R
IK Rating	IK08
Operating Temperature	-25 deg C to +50 deg C
Humidity	20 - 95% Rh non-condensing
Mounting	Free Standing Cabinet
Dimensions	36 x 24 x 72 (914 x 609 x 1828 mm)
Weight	923 lbs (419 kg)
Overvoltage Category	III
Protection	Overcurrent, overvoltage, Ground Fault, Overtemp, Short Circuit, Insulation Monitor, Surge

Dispenser	
Outlet Type (Single Dispenser)	Single CCS1 Cable
Network Connection	GSM/3G/4G modem;10/100 Base-T Ethernet
Communication	OCPP 2.0.1 and 1.6
Authentication/Payment	RFID/Credit card reader/App
User Interface	15 in. LCD high-contrast touchscreen
Enclosure Rating	NEMA 3R
IK Rating	IK08
Operating Temperature	-35 deg C to +50 deg C
Humidity	20 - 95% Rh non-condensing
Mounting	Free Standing Cabinet
Cable Length	15 ft (4.6 m) with cable management system
Dimensions	24 x 40 x 90 in (610 x 1016 x 2286 mm)
Weight (Single Dispenser)	370 lbs (168 kg)

System Certification Standards	
Charging System	UL2202, UL2231-1, -2, SAE J1772, SAE J2894, FCC Part 15, Class A
Communication to the EV	DIN 70121, ISO15118-2/-3/-4/-5

*Product specifications and features are subject to change. Confirm specification prior to purchase.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

LINCOLN® ELECTRIC