

# VELION™

## ELECTRIC VEHICLE CHARGER



### 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.

**Charging Type »**  
DC Fast Charging

**DC Output Voltage »**  
200-1000V DC

**DC Output Current »**  
Up to 300A

**DC Output Power »**  
Up to 150kW

**Input Voltage »**  
480VAC +/- 10% (60Hz), 3-Phase,  
Protective Earth (UL Model)

## 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 300A
DC Output Power (max)	150kW
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	900 lbs. (408 kg)
Overvoltage Category	III
Protection	Overcurrent, overvoltage, Ground Fault, Overtemp, Short Circuit, Insulation Monitor, Surge

Pedestal	
Outlet Type	Single CCS Cable
Network Connection	GSM/3G/4G modem;10/100 Base-T Ethernet
Communication	OCCP 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	12 ft. (3.7 m)
Dimensions	18 x 18 x 78 (457 x 457 x 1981 mm)
Weight	325 lbs. (147 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.

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**The Lincoln Electric Company**  
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.

[www.lincolnelectric.com](http://www.lincolnelectric.com)