VELION®

50 kW DC FAST CHARGER

NEMA BABA CERTIFIED 70901-11
EVSE





Shown: 50 kW Mobile in 3 versatile configurations

BIG POWER. SMALL FOOTPRINT. TOTAL FLEXIBILITY.

The Velion® 50 kW Mobile DC Fast Charger is a versatile solution engineered for uptime, built for mobility, and backed by unmatched support. With scalable power output, rugged design options, and plug-and-play simplicity, Velion delivers reliable charging wherever you need it, minimizing the delays and costs of traditional infrastructure. Whether you're servicing vehicles, managing a fleet, or supporting dealership operations, Velion delivers unmatched flexibility without sacrificing performance.

Charging Type »
DC Fast Charging

DC Output Voltage »
200-1000V DC

DC Output Current »
Up to 130A

DC Output Power »
Single 50 kW Module

Input Voltage »
480V AC +/- 10% (60Hz), 3-Phase (no neutral)

ENERGY STAR

Part Number »
50 kW Mobile
See table on Page 3

50 kW Mobile, CCS1 15 ft. One-Pak
K6021-1

50 kW Mobile, CCS1 25 ft. One-Pak
K6021-2

50 kW Mobile with Roll-Cage, CCS1 15 ft. One-Pak
K6022-1

50 kW Mobile with Roll-Cage, CCS1 25 ft. One-Pak
K6022-2

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LINCOLN ELECTRIC

KEY FEATURES

- **NEMA-certified and BABA Compliant**
  Certified for EVSE manufacturing processes and domestic product content, providing verified sourcing confidence.

- **Engineered for Uptime**
  Downtime isn't an option. Velion is built for durability and reliability with American-made quality and weather-ready components.

- **Compact Powerhouse**
  Velion delivers 50 kW of fast charging in a compact, mobile design that fits where others can't.

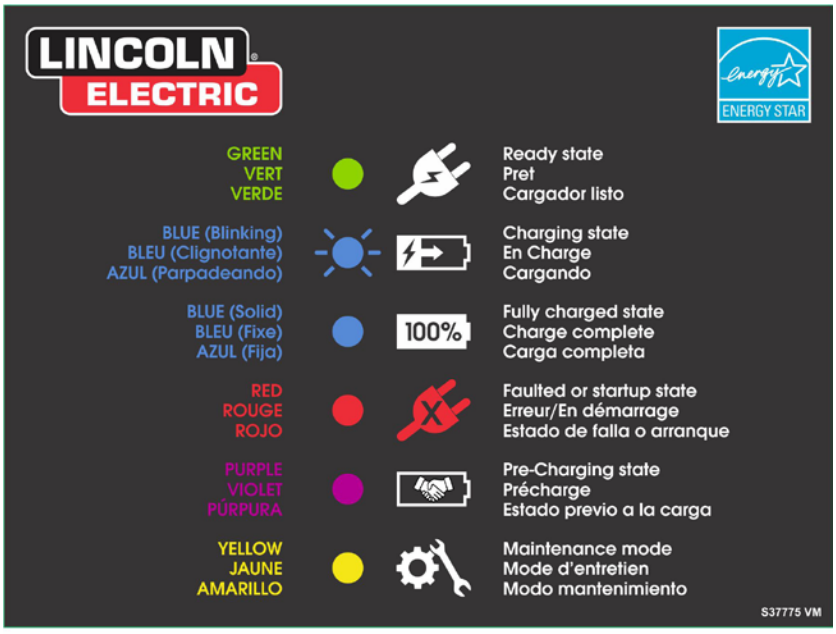
- **Support That Goes the Distance**
  With an industry-leading 3-year parts and labor standard warranty, and a nationwide service network, with Velion, you're never on your own.

KEY CONTROLS

1. Roll cage (optional)
2. Lifting eye-hook
3. End session control
4. Output power limit selection (12.5 kW, 25 kW, 50 kW)
5. Input Cable
6. Status lights
7. Fork lift pocket
8. Output cable
9. Input Cam Locks (Only Cam Lock model)
10. On-Off switch
11. Emergency stop
12. Ethernet connection
13. USB port



CHARGE STATUS LIGHT INDICATORS



50 kW CHARGER CONFIGURATIONS

Product Code	Series	Input Connection	RFID	User Interface	Accessories	Color	Part Number	Descritption	Inventory	
		Strain Relief Connector = S Cam Locks =C 25 ft Input Cable = W	No RFID Reader = X RFID Reader = R	Manual Push Buttons = M	Fixed Base = F Wheel Kit = W Wheels/Cage = WC	Red = R			Made to Stock	Made to Order
K5765	-1	S	X	M	F	R	K5765-1-S-X-M-F-R	50kW DCFC, with Strain Relief, no RFID, Manual, Fixed Base	X	
K5765	-1	W	X	M	W	R	K5765-1-W-X-M-WC-R	50 kW 25 ft Input Cable, no RFID, Manual, Wheels & Roll Cage	X	
K5765	-1	W	X	M	WC	R	K5765-1-W-X-M-W-R	50 kW 25 ft Input Cable, no RFID, Manual, Wheels	X	
K5765	-1	W	R	M	WC	R	K5765-1-W-R-M-WC-R	50 kW 25 ft Input Cable, RFID, Manual, Wheels & Roll Cage		X
K5765	-1	C	X	M	W	R	K5765-1-C-X-M-W-R	50 kW Camlocks,no RFID, Manual, Wheels		X
K5765	-1	C	X	M	WC	R	K5765-1-C-X-M-WC-R	50 kW Camlocks,no RFID, Manual, Wheels & Roll Cage		X

CABLES (SOLD SEPARATELY)

Product Code	Series	Connector Type	Cable Length	Part Number	Description
		CCS1 =C NACS=N	15 ft = -15 25 ft = -25		
K5814	-1	C	15	K5814-1-C-15	15 ft CCS1 Connector
		C	25	K5814-1-C-25	25 ft CCS1 Connector
		N	15	K5814-1-N-15	15 ft NACS Connector
		N	25	K5814-1-N-25	25 ft NACS Connector
		C	75	K5814-1-C-75	75 ft CCS1 Connector

ACCESSORIES

Product Name	Part Number	Description
Cable Management Brackets	K6082-1	Heavy-duty pair of brackets that attach to the roll-cage



ONE PAK® PACKAGES

Product Name	Part Number	What's Included
50 kW Mobile, CCS1 15 ft One-Pak	K6021-1	50 kW Mobile, wheels, 25 ft input power cable, CCS1 15 ft cable
50 kW Mobile, CCS1 25 ft One-Pak	K6021-2	50 kW Mobile, wheels , 25 ft input power cable, CCS1 25 ft cable
50 kW Mobile with Roll-cage, CCS1 15 ft One-Pak	K6022-1	50 kW Mobile, wheels, with roll-cage, 25 ft input power cord, CCS1 15 ft cable
50 kW Mobile with Roll-cage, CCS1 25 ft One-Pak	K6022-2	50 kW Mobile, wheels, with roll-cage, 25 ft input power cord, CCS1 25 ft cable

TECHNICAL SPECIFICATIONS*

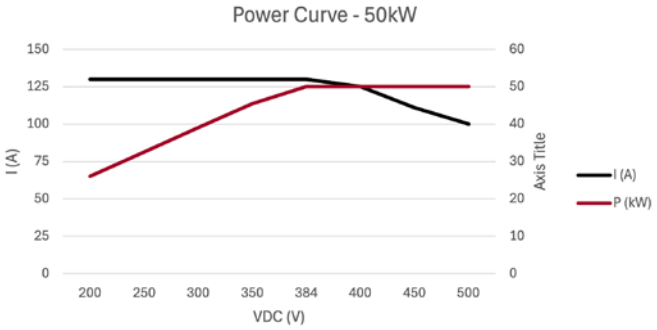
Charging Station	
Charging Type	Level 3, DC Fast Charging
Input Voltage	480VAC +/- 10% (60Hz), 3-Phase, Protective Earth (UL Model), (no neutral)
Input Current	up to 64A
DC Output Voltage	200-1000V DC
Output Current	up to 130A
DC Output Power (max)	12.5kW, 25 kW, 50 kW
Efficiency (full-load)	>95%
Power Factor (full-load)	>0.99
THDi	<5%
Enclosure Rating	NEMA 3R
IK Rating	IK08
Operating Temperature	-30°C to +50°C, derating above 40°C
Humidity	20 - 95% Rh non-condensing
Dimensions (no roll-cage) (mm)	48 in x 22 in x 26 in (1219 x 559 x 660)
Dimensions (roll-cage) (mm)	50 in x 26 in x 30 in (1270 x 660 x 762)
Weight (kg) without roll-cage	315 lbs (143 kg)
Weight (kg) with roll-cage	375 lbs (170 kg)
Overvoltage Category	III
Protection	Overcurrent, Overvoltage, Ground, Fault, Overtemp, Short Circuit, Insulation Monitor, Surge
Outlet Type	Insulation Monitor, Surge
Wifi	802.11 b/g/n (2.4/5 GHz)
Network Connection	GSM/3G/4G modem;10/100 Base-T Ethernet
Communication	OCPP 2.0.1 and 1.6
Authentication	RFID
Cable Length	15 ft or 25 ft (4.5 m or 7.6 m)

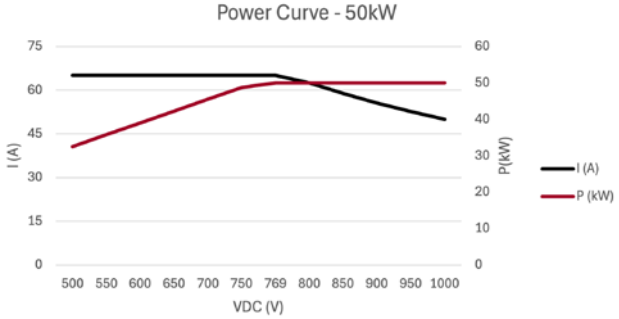
System Certification Standards

Charging System	Energy Star, UL2202, UL2231-1 & 2, SAEJ1772, SAEJ2894,0 SAEJ3400, EMC Class A, FCC Part 15
Communication to the EV	DIN SPEC 70121, ISO15118-1,2,3,4 & 5

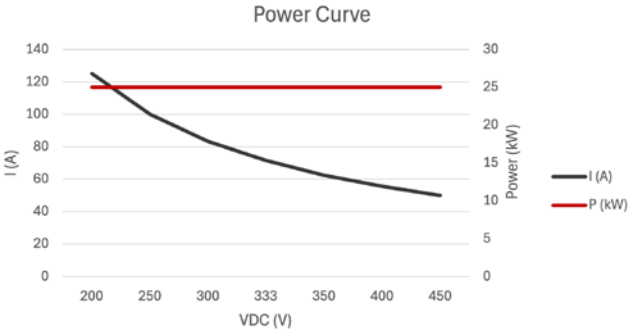
*Product specifications and features are subject to change.
Confirm specification prior to purchase.

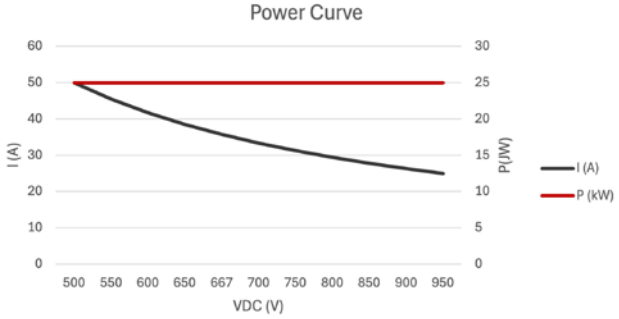
Power Curve – 50 kW



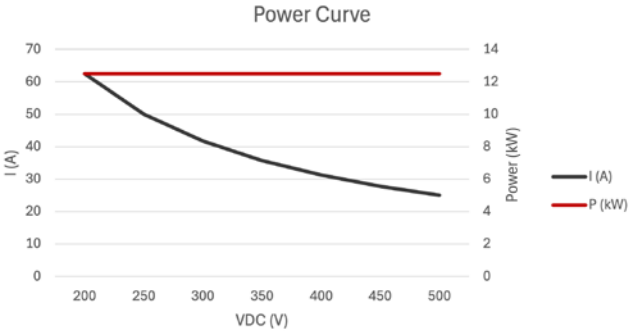


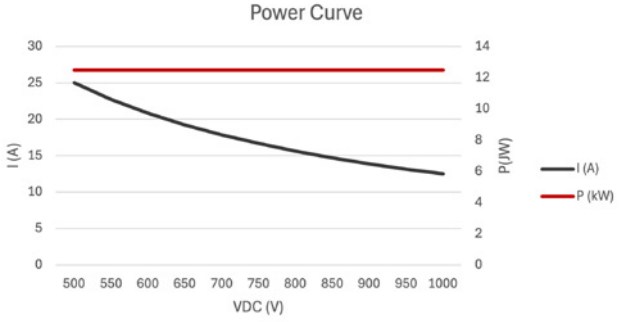
Power Curve – Power Limited 25kW





Power Curve – Power Limited 12.5kW





CUSTOMER ASSISTANCE POLICY

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