

VELION[®]

50 kW DC FAST CHARGER



Shown: 50 kW Mobile K5765-1-W-X-M-W-R

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 »

480VAC +/- 10% (60Hz), 3-Phase
(no neutral)



Part Number »

50 kW Mobile

K5765-1-W-X-M-W-R

50 kW Mobile with Roll Cage

K5765-1-W-X-M-WC-R

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

KEY FEATURES

- Versatility Without Compromise**
 Designed to adapt to any environment, from dealership service bays to rugged construction sites, this mobile charger delivers unmatched flexibility without sacrificing performance.
- 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 standard warranty and a nationwide service network, with Velion, you're never on your own.

KEY CONTROLS

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



CHARGE STATUS LIGHT INDICATORS

LINCOLN ELECTRIC

GREEN = Ready State		
BLUE (Blinking) = Charging State		
BLUE (Solid) = Fully Charged State		
RED = Faulted or Startup State		
PURPLE = Pre-charging State		
YELLOW = Maintenance Mode		

S37775 VM

50 KW CHARGER CONFIGURATIONS

Product Code	Series	Input Connection	RFID	User Interface	Accessories	Color	Part Number	Description	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

ONE PAK® PACKAGES

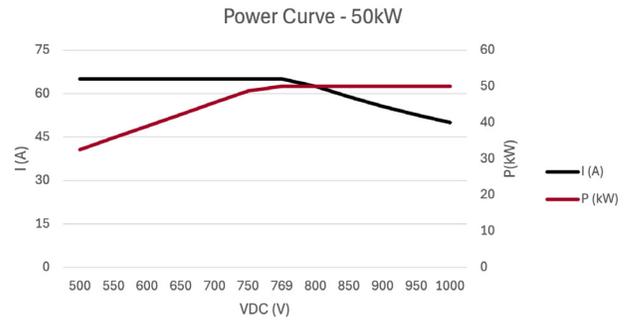
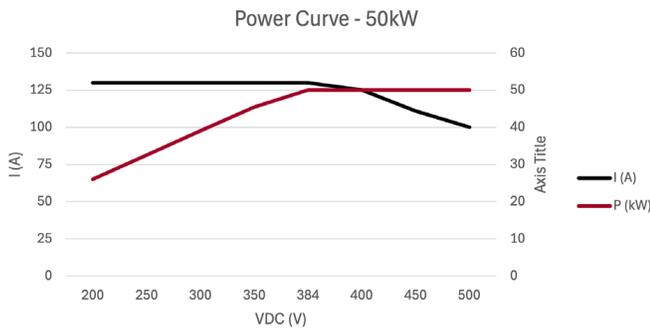
Product Name	Part Number	What's Included
50 kW Mobile, CCS1 15 ft One-Pak	K6021-1	50 kW Mobile, wheels, 25 ft input power cable, CCS1 15 ft cable
50 kW Mobile, CCS1 25 ft One-Pak	K6021-2	50 kW Mobile, wheels, 25 ft input power cable, CCS1 25 ft cable
50 kW Mobile with Roll-cage, CCS1 15 ft One-Pak	K6022-1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

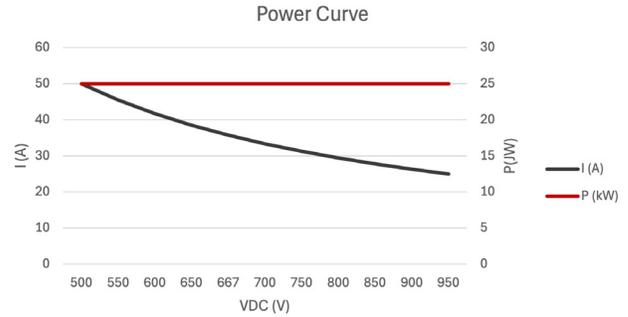
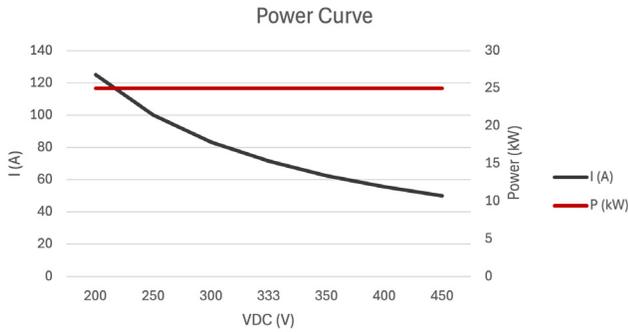
Charging Station	
Charging Type	Level 3, DC Fast Charging
Input Voltage	480VAC +/- 10% (60Hz), 3-Phase, Protective Earth (UL Model), (no neutral)
Input Current	up to 64A
DC Output Voltage	200-1000V DC
Output Current	up to 130A
DC Output Power (max)	12.5kW, 25 kW, 50 kW
Efficiency (full-load)	>95%
Power 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.

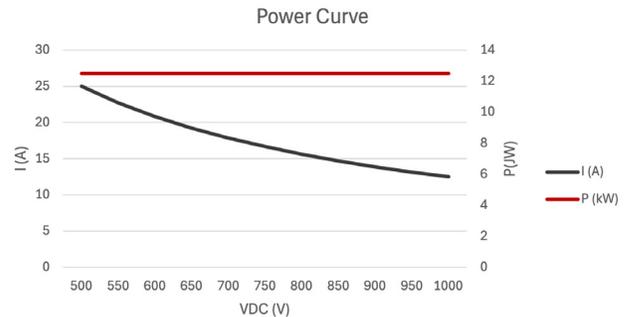
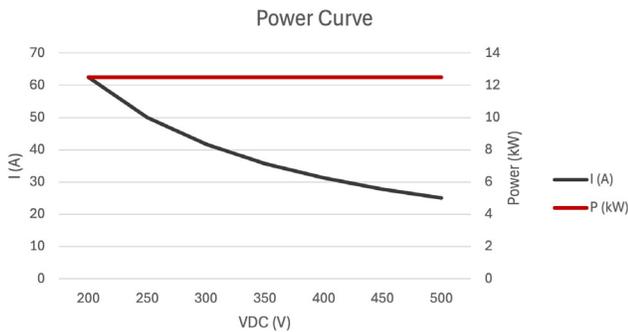
Power Curve – 50 kW



Power Curve – Power Limited 25kW



Power Curve – Power Limited 12.5kW



CUSTOMER ASSISTANCE POLICY

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