VELION™

50kW DC FAST CHARGER



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

BIG POWER. SMALL FOOTPRINT. TOTAL FLEXIBILITY.

The Velion™ 50kW 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 50kW Module

Input Voltage » 480VAC +/- 10% (60Hz), 3-Phase (no neutral) Part Number » 50kW Mobile

K5765-1-W-X-M-W-R 50kW Mobile with Roll Cage K5765-1-W-X-M-WC-R

50kW Mobile, CCS1 15 ft. One-Pak

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

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

K6022-1

50kW 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 50kW 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

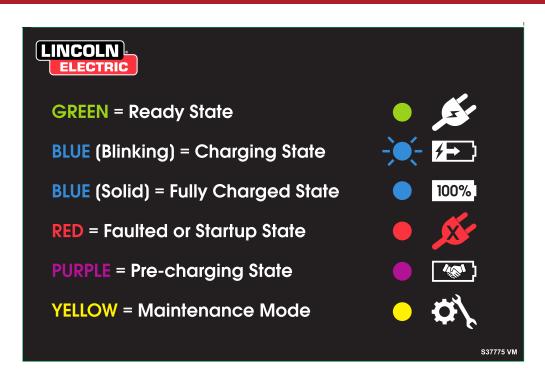
- 1. Handle
- 2. Lifting eye-hook
- 3. End session control
- 4. Output power limit selection (12.5kW, 25kW, 50kW)
- 5. Power module and Coordinator status lights
- 6. Cable hanger

- Charge status lights*See below chart for indicators
- 8. Input power connection
- 9. CCS1 or NACS connection
- 10. On/Off switch
- 11. Emergency stop
- 12. Ethernet connection
- 13. USB





CHARGE STATUS LIGHT INDICATORS



50kW CHARGER

Product Code	Series	Input Connection	RFID	User Interface	Accessories	Color	Part Number	Description
		Input cable 25 ft = W	No RFID Reader = X RFID Reader = R	Manual Push Buttons = M	Wheel Kit = W Wheels/Cage = WC	Red = R		
					W	R	K5765-1-W-X-M-W-R	50kW Mobile, 25 ft input cable, no RFID, Manual, Wheels
K5765	-1	W	X	М	WC	R	K5765-1-W-X-M-WC-R	50kW Mobile, 25 ft input cable, no RFID, Manual, Wheels & Roll Cage

CABLES (SOLD SEPARATELY)

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

ONE-PAKS

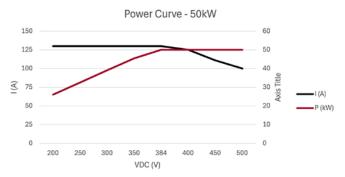
Product Name	Part Number	What's Included
50kW Mobile, CCS1 15 ft One-Pak	K6021-1	50kW Mobile, wheels, 25 ft input power cable, CCS115 ft cable
50kW Mobile, CCS1 25 ft One-Pak	K6021-2	50kW Mobile, wheels , 25 ft input power cable, CCS1 25 ft cable
50kW Mobile with Roll-cage, CCS1 15 ft One-Pak	K6022-1	50kW Mobile, wheels, with roll-cage, 25 ft input power cord, CCS1 15 ft cable
50kW Mobile with Roll-cage, CCS1 25 ft One-Pak	K6022-2	50kW Mobile, wheels, with Roll-cage, 25 ft input power cord, CCS1 25 ft cable

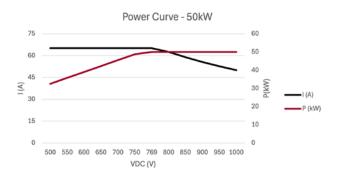
TECHNICAL SPECIFICATIONS*

	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 65A		
DC Output Voltage	200-1000V DC		
Output Current	up to 130A		
DC Output Power (max)	12.5kW, 25kW, 50kW		
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)		
Syste	em Certification Standards		
Charging System	UL2202, UL2231-1 & 2, SAEJ1772, SAEJ2894,0 SAEJ3400, EMC Class A, FCC Part 1		
Communication to the EV	DIN SPEC 70121, ISO15118-1,2,3,4 & 5		

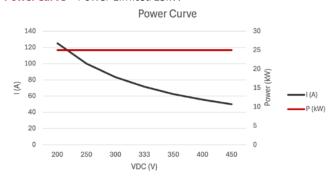
^{*}Product specifications and features are subject to change. Confirm specification prior to purchase.

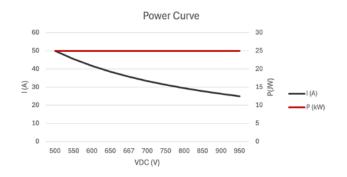
Power Curve - 50kW



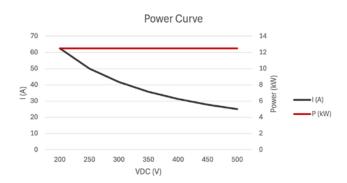


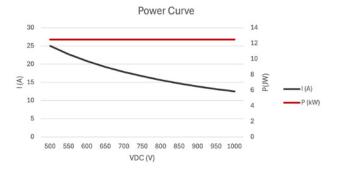
Power Curve – Power Limited 25kW





Power Curve - Power Limited 12.5kW





CUSTOMER ASSISTANCE POLICY

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