

# 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  
K6021-1

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  | 7. Charge status lights*See below chart for indicators |
| 2. Lifting eye-hook                                  | 8. Input power connection                              |
| 3. End session control                               | 9. CCS1 or NACS connection                             |
| 4. Output power limit selection (12.5kW, 25kW, 50kW) | 10. On/Off switch                                      |
| 5. Power module and Coordinator status lights        | 11. Emergency stop                                     |
| 6. Cable hanger                                      | 12. Ethernet connection                                |
|  | 13. USB  |



# CHARGE STATUS LIGHT INDICATORS

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

S37775 VM

## 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		
K5765	-1	W	X	M	W	R	K5765-1-W-X-M-W-R	50kW Mobile, 25 ft input cable, no RFID, Manual, Wheels
					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	-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-PAKS

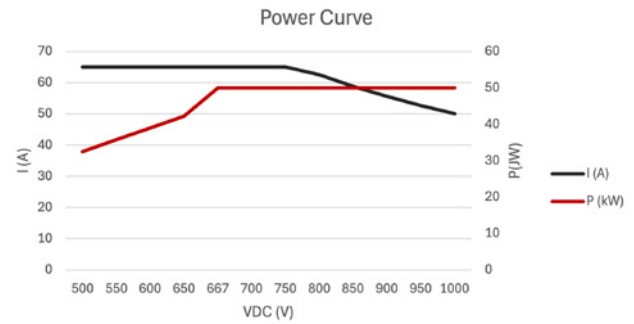
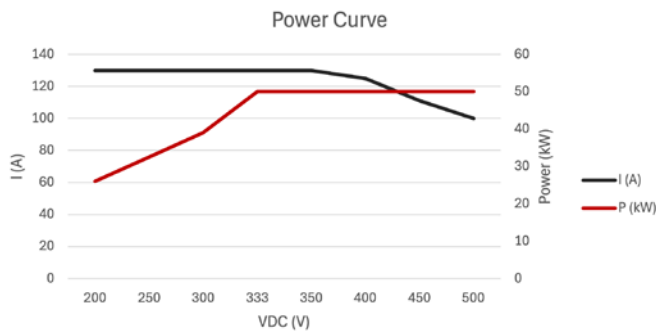
Product Name	Part Number	What's Included
50kW Mobile, CCS1 15 ft One-Pak	K6021-1	50kW Mobile, wheels, 25 ft input power cable, CCS1 15 ft cable
50kW Mobile, CCS1 25 ft One-Pak	K6021-2	50kW Mobile, wheels, 25 ft input power cable, CCS1 25 ft cable
50kW Mobile with Roll-cage, CCS1 15 ft One-Pak	K6022-1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

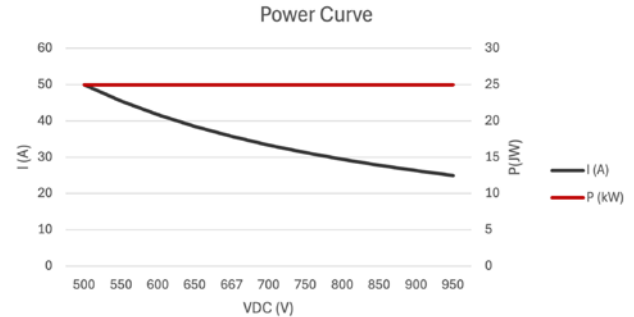
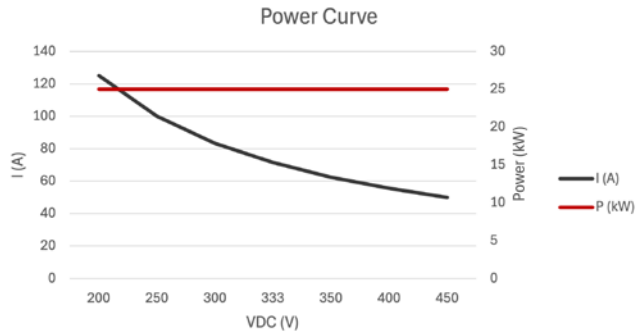
Charging Station	
Charging Type	Level 3, DC Fast Charging
Input Voltage	480VAC +/- 10% (60Hz), 3-Phase, Protective Earth (UL Model), (no neutral)
Input Current	up to 65A
DC Output Voltage	200-1000V DC
Output Current	up to 130A
DC Output Power (max)	12.5kW, 25kW, 50kW
Efficiency (full-load)	>95%
Power 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)
System Certification Standards	
Charging System	UL2202, UL2231-1 & 2, SAEJ1772, SAEJ2894, 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.

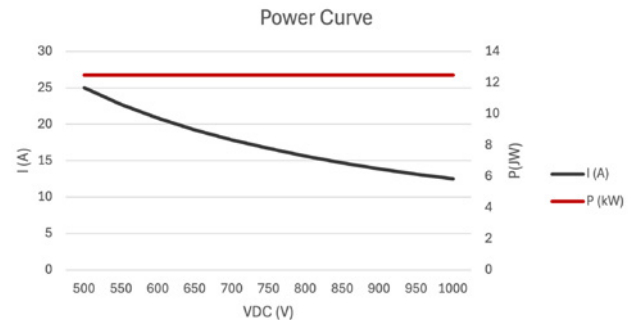
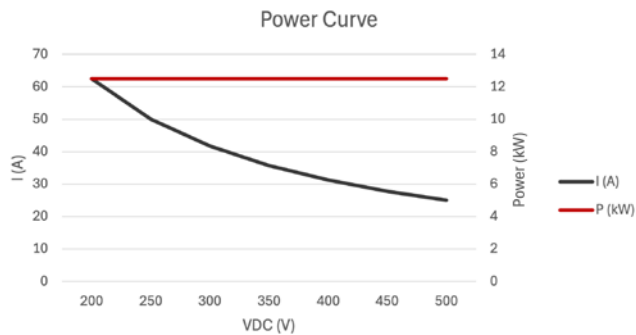
## Power Curve – 50kW



## Power Curve – Power Limited 25kW



## Power Curve – Power Limited 12.5kW



### CUSTOMER ASSISTANCE POLICY

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