



VELION®

50 kW DC FAST CHARGER



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)



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

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.