



L3D3™ 60kW Mobile

PRODUCT DESCRIPTION:

Our L3D3™ 60 kW Mobile EV Quick Charger is an electric vehicle (EV) power supply that is on swivel casters with locks so it can be easily moved to different locations within a facility. After it's initially installed and made operational in one location within a facility, an operator can plug the EV charging cable into their electric vehicle and start a charging session. Later, when charger is needed in a new location, an operator can relocate it by powering it down and unplugging it before moving it, and then plugging it in and powering it up again in the new location before starting next charging session.



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AC INPUT

AC Input Power Options	240V single phase 208V/240V 3-phase, 4-wire Delta 480V 3-phase, 5-wire Wye
AC Input Voltage Operating Range and Current	240V single phase: 190V to 305V, 300A max 208V/240V 3 phase Delta: 190V to 264V, 172A max 480V 3 phase Wye: 384V to 528V, 100A max
Recommended upstream overcurrent protection device rating	240V single phase: 400A 208V/240V 3 phase Delta: 220A 480V 3 phase Wye: 160A
Power factor	> 0.98
Efficiency	> 95% @ full load

DC OUTPUT

Maximum DC Output Power	Up to 60 kW
DC Output Voltage Range	250V – 920V (400V and 800V nominal)
Maximum DC Output Current	150A with DC output < 450V 75A with DC output > 450V
DC Connector	CCS1
DC Charging Cable Length	5 m (16.4 ft.) standard

DIMENSIONS AND WEIGHTS

Dimensions for Charger with Handlebar-Hangers and Wheels (H x W x D)	843 x 820 x 610 mm (33.2 x 32.2 x 24 in.)
Dimension Charger with Wheels only (H x W x D)	615 x 559 x 610 mm (24.2 x 22 x 24 in.)
Weight – 60 kW Mobile EV Quick Charger	Up to 125 kg (275 lbs.)

ENVIRONMENT SPECIFICATIONS

Operating Temperature Range	35°C to +50°C
Storage Temperature Range	-40°C to +60°C
Ingression Protection of Enclosure	IP20, NEMA 1
Humidity	95%
Altitude - Operation	3000 m (9845 ft.)

CERTIFICATE / COMPLIANCE

Complies with UL Standards for Safety	UL 2202: Electric Vehicle (EV) Charging System Equipment UL 2231-1: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits; Part 1: General Requirements
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Maximum Charger Power Setting * (kW)

Upstream Circuit Breaker Rating	Single Phase Panel			Three Phase Panel		
	208V	220V	240V	208V	240V	480V
50A	8	8	9	14	16	33
75A	12	13	14	21	24	49
100A	16	17	19	28	33	60
125A	20	22	24	36	41	60
150A	25	26	28	43	49	60
175A	29	30	33	50	58	60
200A	33	35	38	57	60	60
225A	37	39	43	60	60	60
250A	41	44	48	60	60	60
300A	49	52	57	60	60	60

*Set by user based on input voltage and upstream breaker