

PRODUCT OVERVIEW

The EV-L3S Series is a Level 3 DC charger that is compatible with OCPP1 and OCPP2 designed for outdoor use.

FEATURES

- IP54 / IK10
- CCS1 / NACS
- 7" touch screen
- Wall mounted or pedestal
- ISO15118-2
- OCPP16 J / OCPP2.0.1 upgradeable
- Power sharing
- Wi-Fi or 3G/4G optional
- Optional pedestal mount

APPLICATIONS

- Home charging
- Retail shopping centers
- Corporate office complexes
- C-Stores & gas stations
- Hotels & resorts
- Restaurants
- Entertainment venues
- Stadiums and sports arenas
- Fleets
- Customer loyalty programs



Product Description

PART #	DESCRIPTION	INPUT VOLTAGE	CURRENT	CHARGING INTERFACE	POWER
EV-L3S-DC20KW	20kW Type 3 Charger	3P 208 / 480Vac(±10%)	100A	CCS1 / NACS	18.8kW/20kW
EV-L3S-DC30KW	30kW Type 3 Charger	3P 208 / 480Vac(±10%)	100A	CCS1 / NACS	30kW
EV-L3S-DC40KW	40kW Type 3 Charger	3P 208 / 480Vac(±10%)	125A	CCS1 / NACS	40kW

Specifications

MODEL#	EV-L3S-DC20KW	EV-L3S-DC30KW	EV-L3S-DC40KW
POWER INPUT			
Phases / Lines	3Phase + PE		
Voltage	3P 208 / 480Vac (± 10%)		
Frequency	45-65Hz		
POWER OUPUT			
Charging Outlet	CCS1 / NACS		
Voltage (DC)	200~1000V		
Current (Max)	100A		125A
Power (Max)	18.8kW/20kW	30kW	40kW
GENERAL SPECIFICATIONS			
Cable Length	Standard: 18ft; Option: 25ft		
Dimension (W×D×H)	410mm × 210mm × 620mm (16.14" × 8.27" × 24.4")		
Weight	165.76lbs		
LED Indicator	Yes		
HMI	7" Touch Screen		
Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit / credit card, IC card)		
Efficiency	> 95%		
Power Factor	> 0.98 (50%~100% load)		
Harmonics	iTHD < 5%		
MCCB	Overload, short circuit, undervoltage protection and residual current protection		
Emergency Button	Yes		
COMMUNICATION			
Charger vs EV	PLC (DIN 70121: 2012/ISO15118-2: 2013)		
Communication Protocol	OCPP1.6 J / OCPP2.0.1		
Network Interface	Wi-Fi / 3G-3G (SIM card) / Ethernet		
Interface	CAN Bus / RS485		
ENVIRONMENTAL INDEX			
Operation Temperature	-22°F~122°F, will derating from 131°F or above		
Working Humidity	5%~95% without condensation		
Working Altitude	< 6561.68ft, No Derating		
Protection Grade	IP54 / IK10 (except LCD Screen)		
Application Scene	Indoor / outdoor		
Cooling Method	Independent Fan Cooling		
Noise	< 55dB		
SAFETY PROTECTION			
Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temp protection, grounding protection, surge protection		
Certification	ETL pending - conforms to UL 2594, UL2231-1/-2		

