



4.4 DC Level 3 EV Charger 120KW/160KW



60kW: UF060A12; 80kW: UF080A12; 100kW: UF100A12; 120kW: UF120A12 | 140kW: UF140B12; 160kW: UF160B12; 180kW: UF180B12; 200kW: UF200B12; 220kW: UF220B12; 240kW: UF240B12

ELECTRICAL		
CONNECTOR OPTION*	Dual CCS1, or CCS1 + CHAdeMO	Dual CCS1/CCS1 Boost, or CCS1 + CHAdeMO
MAX. INPUT AC CURRENT	60kW: 91A; 80kW: 122A; 100kW: 152A; 120kW: 182A	140kW: 213A; 160kW: 245A; 180kW: 270A; 200kW: 305A; 220kW: 335A; 240kW: 365A
NOMINAL INPUT AC CURRENT	60kW: 83A; 80kW: 110A; 100kW: 138A; 120kW: 165A	140kW: 181A; 160kW: 207A; 180kW: 230A; 200kW: 250A; 220kW: 285A; 240kW: 310A
INPUT VOLTAGE RANGE		480 V AC - 15 % to +10 % @ 60 Hz
DC OUTPUT VOLTAGE		CCS1: 150 to 1000 V DC; CHAdeMO: 150 to 500 V DC
NETWORK TYPE		TN-S, TN-C, TN-C-S, & TT (External RCD** Required)
AC INPUT CONNECTION		3P + PE (No Neutral)
PROTECTION		Over-Current, Over-Voltage, Under-Voltage, Ground-Fault, Over-Temperature, Short-Circuit, Insulation Monitor (IMD), & Surge Protection
OVERVOLTAGE CATEGORY		AC Side (Input) OVC: III
POWER FACTOR (> 50 % LOAD)		≥ 0.98
THDI (> 50 % LOAD)		≤ 5 %
PEAK EFFICIENCY		≥ 95 %
STANDBY POWER		80 W
SHORT CIRCUIT CURRENT RATING		≥ 65 kA
ENERGY METERING		Class A
USER INTERFACE & COMMUNICATION		
CONNECTIVITY		Internet Access Via 4G (Optional) / Ethernet (RJ45)
USER AUTHENTICATION		QR Code, RFID, Credit Card (Optional)
ISO 15118 PLUG & CHARGE		Yes
DIN 70121		Yes
INTERFACE		27" LCD High-Contrast Touchscreen (15.6" Optional)
ACCESSIBLE FOR WHEELCHAIR USERS		Yes
COMMUNICATIONS PROTOCOLS		OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)
RFID READER		ISO 14443 A+B to Part 4 & ISO/IEC 15693, Mifare, NFC, Calypso, Ultralight, PayPass, HID & More
EMERGENCY BUTTON		Yes
SOFTWARE UPDATE		OTA Update Via Web Portal
CONTROL AND CONFIGURATION		Web Portal, On-Board Service Portal
GENERAL CHARACTERISTICS		
PROTECTION RATINGS		NEMA 3R Outdoor Use & IK-10
ENCLOSURE TYPE		Stainless Steel 430
OPERATION ALTITUDE		6561 Ft. (6561 to 9843 Ft. with Power Derating)
OPERATING TEMPERATURE		-31 °F to +131 °F (+122 °F to +131 °F with Linear Power Derating)
STORAGE TEMPERATURE		-40 °F to +158 °F
HUMIDITY		< 95 % RH, Non-Condensing
NOISE LEVEL		< 65 dB @1 m/25 %/Full Load/800 VDC
MOUNTING		Free-Standing Cabinet
CABLE LENGTH		15 ft (Optional: 20 or 25 ft)
DIMENSIONS (H X W X D)	76.8 x 32.3 x 23.6 In. (1950 x 820 x 600 mm)	76.8 x 32.3 x 27.6 In. (1950 x 820 x 700 mm)
CERTIFICATIONS & STANDARDS		
COMPLIANCE & SAFETY	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16	