LIVING LIGHTNING

DCFAST60KW-240KW

WITH 20KW INCREMENTS

SPECIFICATIONS

- SMART CLOUD PORTAL WITH REMOTE DIAGNOSTICS
- DYNAMIC LOAD BALANCING
- ISO 15118 PLUG & CHARGE



- FLEXIBLE POWER MODULE DESIGN
- MULTIPLE CABLE & CHARGING CONNECTOR OPTIONS
- 27-INCH TOUCHSCREEN DISPLAY

SPECIFICATIONS

LIVING **LIGHTNING DC FAST** 60KW-240KW WITH 20KW INCREMENTS

PART NUMBERS

	DCFC 60KW-120KW	DCFC 140KW-240KW
	60kW: **UF060xxxxx;** 80kW: **UF080xxxxx;** 100kW: **UF100xxxxx;** 120kW: **UF120xxxxx**	140kW: **UF140xxxxx;** 160kW: **UF160xxxxx;** 180kW: **UF180xxxxx;** 200kW: **UF200xxxxx;** 220kW: **UF220xxxxx;** 240kW: **UF240xxxxx**

The "xxxxx" portion of the product part number represents the various product configurations.

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: **260A;** 220kW: **285A;** 240kW: **310A**
INPUT VOLTAGE RANGE	**480 V AC - 15 % to +10 % @ 60 Hz**	
DC OUTPUT VOLTAGE	**CCS1: 150 to 950 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	**≥96 %**	
STANDBY POWER	**80 W**	
SHORT CIRCUIT CURRENT RATING	**≥65 kA**	
ENERGY METERING	**Class A**	

USER INTERFACE & COMMUNICATION

CONNECTIVITY	**Internet Access Via 4G / Wi-Fi / Ethernet (RJ 45)**
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**
EMC COMPLIANCE	**FCC Part 15 Class A, Class B (Optional)**
WARRANTY	**24 Months with Warranty Extensions Available**

* CCS1 Max 200A, CCS1 Boost 300A (Max 400A) ** RCD: Residual Current Detector for Ground Fault Protection