

A400

# The Next Generation of DC Fast Charging



Reliable

+99%

Charging  
Success Rate

Cloud Operated

24/7

Remote Monitoring  
& Support

Durable

10yr

Product Lifecycle

# Power Specification

<b>DC Output:</b>	<p>Output power: 400 kW          Dynamic Power Sharing: 50 kW Increments          Output voltage: 150-920 V          Output current (peak): 600 A          Total System Efficiency: 96.5%</p>
<b>AC Input:</b>	<p>Nominal voltage          (CE): 400 Vac (UL): 480 Vac</p> <p>Nominal input current (RMS)          (CE): 616 A (UL): 513 A</p> <p>Frequency          (CE): 50 Hz (±5%) (UL): 60 Hz (±5%)</p> <p>Earthing systems: TN-C, TN-C-S, TN-S, TT</p> <p>Inlet cable size: 2 x 240 mm<sup>2</sup> (9.45 in<sup>2</sup>) recommended,          max. 38mm (1.50 in) diameter</p> <p>Power factor: &gt;0.98 @ full load</p> <p>Total Harmonic Distortion (THD): &lt; 5%</p> <p>Overvoltage category: III</p> <p>SPD: Type 1 + 2</p>

# System Specification

<b>Operating Conditions:</b>	<p>Operating from -30°C to 55°C (-22°F to 131°F)          Storage/transport from -30°C to 70°C (-22°F to 158°F)</p> <p>Altitude: 2000m (6561ft)          Humidity: Up to 95%, non-condensing          Impact resistance: IK10 (Display: IK08)          IP rating: IP54, NEMA 3R; indoor and outdoor rated          Noise emission: 65 dB(A) @ 1m, 25°C (77°F),          full power, on front door          Intended use: Indoor and outdoor          Mounting options: Floor mounted          Environment pollution degree: Class 3 (Outside),          Class 2 (Inside)</p>
<b>Dimensions:</b>	<p>(H x W x D):          2256 x 810 x 790 mm          (88.8 x 31.9 x 31.1 in)</p> <p>Weight: 730 kg (1610 lbs)</p> <p>Accessibility: Meets ADA requirements          for height, reach, and user interface</p>

# Customer Interface

<b>Display:</b>	Type: 32" full-color LCD Interface: 4 x push buttons
<b>Lighting:</b>	Dual RGB LED strips in the roof, RGB LED strips per gun holder
<b>Languages:</b>	English, French, Spanish, German, Italian (others available via software upgrade)
<b>Connector Options:</b>	Patented two-phase liquid cooling technology: CCS1, CCS2, Air-Cooled J3400 (NACS)
<b>CMS (Cable Management System):</b>	2x Integrated self-retracting swing arm
<b>Cable:</b>	Length: 4.8m (15.7 ft) Reach: 3.5m (11.4 ft)
<b>Authentication Methods:</b>	RFID Option: payment terminal - Vourity IM30
<b>RFID System:</b>	Mifare ISO 14443 A/B to part 4 and ISO15693, ISO18092 / ECMA-340 (NFC). Others available on request (Calypso, Ultralight, PayPass, HID; and more) Calypso
<b>Remote Management:</b>	Access control, configuration, diagnostics, software updates

# Standards & Compliance

<b>NRTL:</b>	UL2202, UL2231-1, UL2231-3, CSA 22.2 No.346:22
<b>Metering:</b>	CTEP/NTEP (Q4 2024), Eichrecht
<b>EMC:</b>	(CE): IEC 61851-21-2 (UL): FCC 47 CFR Part 15B (Class A)
<b>Electrical Safety:</b>	NEC (NFPA 70)
<b>Manufactured:</b>	USA & Europe
<b>Network Connections:</b>	Dual SIM; GSM/3G/4G/5G; 10/100 Base-T Ethernet
<b>Network Communication Protocol:</b>	Open Charge Point Protocol (OCPP) 1.6J and 2.0.1
<b>Vehicle Communication Protocol:</b>	DIN 70121, ISO 15118-2 -20, Autocharge, Plug and Charge
<b>Short Circuit Current Rating:</b>	(CE): 50 kA (UL): 50 kA
<b>RED Directive:</b>	ETSI EN 301 908-13 V13.2.1: 2022, EN 301 908-2 V13.1.1: 2020, EN 300 330 V2.1.1: 2017, ETSI EN 301 489-3 V2.1.2: 2021, EN 301 489-52 V1.1.2: 2022, EN 50364:2018, EN IEC 62311:2020
<b>Additional standards:</b>	DC plugs compliant with IEC 62196-1:2014, IEC 62196-3:2014, Cabinet IP rating according to IEC 60529:2013