

A400

The Next Generation of DC Fast Charging



Reliable

+99%

Charging
Success Rate

Managed

24/7

Remote Monitoring
& Support

Durable

10yr

Product Life Cycle

Power Specification

DC Output:	<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>
AC Input:	<p>Nominal voltage (CE): 400 Vac (NA): 480 Vac</p> <p>Nominal input current (RMS) (CE): 616 A (NA): 513 A</p> <p>Frequency (CE): 50 Hz (±5 %) (NA): 60 Hz (±5 %)</p> <p>Earthing systems: TN-C, TN-C-S, TN-S, TT</p> <p>Inlet cable size: 2 x 240 mm² (9.45 in²) recommended, max. 38 mm (1.50 in) diameter</p> <p>Power factor: > 0.98 @ full load</p> <p>Total Harmonic Distortion (THD): < 5 %</p> <p>Overvoltage category: III</p> <p>SPD: Type 1 + 2</p>

System Specification

Operating Conditions:	<p>Operating from -30 °C to 55 °C (-22 °F to 131 °F) Storage/transport from -5 °C to 40 °C (23 °F to 104 °F)</p> <p>Altitude: 2000 m (6561 ft) 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) @ 1 m, 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>
Dimensions:	<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

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

Standards & Compliance

NRTL:	UL2202, UL2231-1, UL2231-3, CSA 22.2 No.346:22
Metering:	CTEP/NTEP (Q4 2024), Eichrecht
EMC:	(CE): IEC 61851-21-2 (NA): FCC 47 CFR Part 15B (Class A)
Electrical Safety:	NEC (NFPA 70)
Manufactured:	USA & Europe
Network Connections:	Dual SIM; GSM/3G/4G/5G; 10/100 Base-T Ethernet
Network Communication Protocol:	Open Charge Point Protocol (OCPP) 1.6J and 2.0.1
Vehicle Communication Protocol:	DIN 70121, ISO 15118-2, ISO 15118-20, Autocharge, Plug and Charge
Short Circuit Current Rating:	(CE): 50 kA (NA): 50 kA
RED Directive:	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
Additional Standards:	DC plugs compliant with IEC 62196-1:2014, IEC 62196-3:2014, Cabinet IP rating according to IEC 60529:2013