

T124 | T184

All-in-One Charging at a Small Footprint



High
Performance

180 kW

Peak Output Power

Single/Dual
Connector

400 A

Output Current
with CCS

Small Footprint

< 0.5 m²

For 180 kW
All-in-One Charger

Power Specification

DC Output:	<p>Output Power: T124: 120 kW T184: 180 kW</p> <p>Dynamic Power Sharing: T124: 60 kW power granularity T184: 90 kW power granularity</p> <p>Output voltage: 150 - 920 V Output current (peak): CCS: 400 A; J3400/NACS: 375 A</p> <p>Number of outlets: single, dual; (CE): dual + AC socket Total system efficiency: (CE): up to 95.6 % (NA): up to 96 %</p>
AC Input:	<p>Nominal voltage: (CE): 400 V ($\pm 10\%$) (NA): 480 Y / 277 V ($\pm 10\%$)</p> <p>Nominal input current (RMS): T124: (CE): 187 A / 220 A (NA): 153 A T184: (CE): 280 A / 312 A (NA): 230 A</p> <p>Frequency: (CE): 50 Hz ($\pm 10\%$) (NA): 60 Hz ($\pm 10\%$) Earthing systems: TN-S, TN-C, TN-C-S, TT (with upstream RCD)</p> <p>Inlet cable size per phase: up to 180 mm²</p> <p>Power factor: > 0.99 @ full load Total Harmonic Distortion (THD): < 4.5 % @ full load Overvoltage category: III SPD: Type 2</p>

System Specification

Operating Conditions:	<p>Operating from (CE): -35 °C to 50 °C (NA): -31 °F to 131 °F (with derating) Storage / transport from -5 °C to 40 °C (23 °F to 104 °F)</p> <p>Altitude: up to 2000 m (6562 ft) Humidity: up to 95 %, non-condensing</p> <p>Impact resistance: IK10 (HMI: IK08) IP rating: IP54</p> <p>Noise emission: < 65 dB(A) @ 1 m front door, 25 °C (77 °F), full power 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: 1900 x 565 x 880 mm (74.8 x 22.2 x 34.6 in) Weight: T124: 445 kg (981 lbs) T184: 475 kg (1047 lbs)</p> <p>Accessibility: meets ADA requirements for height, reach, and user interface</p>

Customer Interface

Display:	Type: 7" LCD; Interface: Touchscreen
Lighting:	Gun holder: LED
Languages:	English (others available via software upgrade)
Connector Options:	Patented two-phase cooling technology (CCS1, CCS2), Air-cooled J3400 (NACS); (CE): AC socket
Cable Management System (CMS):	Optional cable retraction CMS
Cable:	(CE): Length: 5 m (16.4 ft); Reach with CMS: 3.5 m (11.5 ft) (NA): Length: 6 m (19.7 ft); Reach with CMS: 5 m (14.4 ft) Further options available, Type: Air-cooled
Authentication Methods:	RFID, Autocharge, Plug and Charge, Option: payment terminal for credit/debit card
RFID System:	Mifare ISO 14443 A/B to part 4 and ISO/IEC 15693. Others available on request (NFC, Calypso, Ultralight, PayPass, and more)
Remote Management:	Access control, configuration, diagnostics, software updates

Standards & Compliance

Safety Standards:	(CE): EN IEC 61851-1: 2019, EN IEC 61851-23: 2014/AC: 2016, EN IEC 62311: 2020 (NA): UL2202
Metering:	(CE): Eichrecht (NA): CTEP/NTEP
EMC:	(CE): Class A according to: IEC 61851-21-2: 2018, EN IEC 61000-6-1: 2007, EN IEC 61000-6-2: 2019, EN 61000-6-3: 2007+A1: 2011, EN 61000-6-4: 2007+A1: 2011, ETSI EN 301 489-1 v2.2.0: 2017 (NA): Class A (90-180 KW), 47CFR FCC Part 15b; ENERGY STAR® certified; ICES 003
Manufactured:	USA & Europe
Network Connections:	Cellular: LTE Cat 4/UMTS/GSM, Ethernet: 10/100 Base-T
Network Communication Protocol:	(CE): OCPP 1.6J (NA): OCPP 1.6J Core and Smart Charging Profiles; OCPP 2.0.1 Core; Autocharge via OCPP
Vehicle Communication Protocol:	DIN 70121, ISO 15118, Autocharge
Short Circuit Current Rating:	(CE): 25 kA (NA): 65 kA
RED Directive:	EN 300 330 V2.1.1: 2017, EN 301 908-13 V13.2.1: 2022, EN 50364: 2020, EN 62311: 2020, EN 301908-2 V11.1.2: 2017
Additional Standards:	T124 T184: IEC 62196-2, IEC 62196-3, OCA 1.6J (Feb 2024) T184: NEVI configuration: FHWA Build America, Buy America

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A200 | A300 | A400

Charging Made Seamless



Power Fit for Purpose

400 kW

Field-upgradable from 200 kW

Branded Experiences

32" HD

Award-winning UI/UX

Reliable Energy Delivery

+99%

Success Rate*

*Operational target

Power Specification

DC Output:	<p>Output power: Configurable as 400 kW, 300 kW, or 200 kW Upgradable from 200 kW to 400 kW or from 300 kW to 400 kW Dynamic Power Sharing: 50 kW power granularity (A400 minimum output: 100 kW)</p> <p>Output voltage: 150 - 980 V Output current (peak): CCS1/2: 600 A; J3400: 375 A</p> <p>Number of outlets: dual outlet Power conversion efficiency: up to 97% Standby power: 156 W</p>
AC Input:	<p>Nominal voltage: (CE): 400 Vac ($\pm 10\%$) (NA): 480 Vac ($-7\%/+10\%$) Nominal input current (RMS): A200: (CE): 306 A (NA): 255 A A300: (CE): 460 A (NA): 383 A A400: (CE): 612 A (NA): 496 A</p> <p>Frequency: (CE): 50 - 60 Hz ($\pm 5\%$) (NA): 60 Hz ($\pm 5\%$) Earthing systems: (CE): TN-C, TN-C-S, TN-S, TT (NA): WYE Inlet cable size per phase (no neutral): max. 2 x 300 mm² (600 kcmil) Power factor: > 0.99 at full load Total Harmonic Distortion (THD): < 3% Overvoltage category: III SPD: (CE): Type 1 + 2 (NA): Type 1 SCCR: (CE): 50 kA (NA): 65 kA</p>

Customer Interface

Display:	Type: 32" HD full-color anti-glare LCD; Brightness: 1300 nits Contrast: 5000:1; Interface: 4 push buttons
HMI Configuration:	Info modules: pricing, payment method, help content, idle state info Branding modules: brand color and logo, app QR code, outro screen
Languages:	English, French, Spanish, German, Italian, Norwegian, Dutch
Connector Options:	CCS1/2 with patented two-phase cooling technology J3400 air-cooled
Cable Management System (CMS):	2 x integrated self-retracting swing arm
Cable Options:	Length: 4.8 m (15.7 ft); Reach: 3.5 m (11.4 ft) Length: 7 m (22.9 ft); Reach: 6.3 m (20.7 ft) Type: Air-cooled
Lighting:	Roof: 360° dual RGBW LED strips; Gun holder: RGBW LEDs
Authentication Methods:	RFID, Autocharge, Plug & Charge, credit/debit card, mobile app
RFID System:	Mifare ISO 14443 A/B to part 4 and ISO 15693, ISO 18092/ECMA-340 (NFC). Others available on request (Calypso, Ultralight, PayPass, HID, and more)
Remote Management:	Access control, configuration, diagnostics, software updates ¹

System Specification

Operating Conditions:	<p>Operating from -30°C to 55°C (-22°F to 131°F) with derating Storage from 5°C to 40°C (41°F to 104°F), IEC 60721-3-2 Altitude: 2000 m (6562 ft) Humidity: up to 95%, non-condensing Impact resistance: IK10 (A400 display: IK08 until Q4 2025) IP rating: IP54, NEMA 3R (in development), indoor and outdoor rated</p> <p>Noise emission average within 1 m radius, at 25°C (77°F), full power: A200: 62 dB(A) A300: 64 dB(A) A400: 65 dB(A) Intended use: indoor and outdoor Mounting options: floor mounted Environment pollution degree: Class 3 (outside), Class 2 (inside)</p>
Form Factor:	<p>Dimensions of charger body (H x W x D): 2256 x 790 x 810 mm (88.8 x 31.1 x 31.9 in) Weight: A200: 560 kg (1235 lbs) A300: 645 kg (1422 lbs) A400: 730 kg (1610 lbs)</p> <p>Accessibility: meets ADA requirements for height, reach, and user interface. Enclosure type: high-durability aluminum body Corrosion resistance: C5-H, ISO 12944</p>

Standards & Compliance

Safety Standards:	<p>(CE): IEC 61851-1, IEC 61851-23 (NA): UL 2202, UL 2231-1, UL 2231-2, CSA 22.2 No.346:22</p>
Metering:	(CE): Eichrecht, MID, LNE (NA): CTEP/NTEP
EMC:	(CE): IEC 61851-21-2 (NA): FCC 47 CFR Part 15B (Class A)
Manufactured:	USA & Europe
Network Connections:	3G/4G/5G, Ethernet (10/100 Base-T), optional second modem (coming Q4 2025)
OCPP:	Open Charge Point Protocol (OCPP) 1.6J and 2.0.1
Vehicle Communication Protocol:	DIN SPEC 70121, ISO 15118-2, ISO 15118-3, Autocharge, Plug & Charge
RED Directive:	ETSI EN 300 330, ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI 301 489-52, ETSI EN 301 908-13, EN 50364 (RFID), IEC 62311: 2019, EN IEC 62311: 2020 (4G test)
Sustainability:	ISO 14025 Environmental Product Declaration, A200 A300: ENERGY STAR
Additional Standards:	DC Vehicle connector compliant with IEC 62196-1, IEC 62196-3, Cabinet IP rating according to IEC 60529
Expected Lifespan:	10 years ²

¹ Subject to Service Package coverage

² Subject to Service Package coverage, potential refurbishment, and environmental operating conditions including proximity to sea water, conductive dust, and condensing humidity

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