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

System Specification

Operating Conditions:	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) Altitude: up to 2000 m (6562 ft) Humidity: up to 95 %, non-condensing Impact resistance: IK10 (HMI: IK08) IP rating: IP54 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)
Dimensions:	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) Accessibility: meets ADA requirements for height, reach, and user interface

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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