

TEAL 30kW

DC LEVEL THREE FAST CHARGER



PRODUCT OVERVIEW & KEY FEATURES

Teal's 30kW Level Three chargers offer a best-in-class 100A output ensures max power delivery*

** Between 150 and 200km/hr charging speed for medium size SUV and passenger EVs*

Our chargers are rated for a full system operating range of -50 °C to +50 °C (-58F to 122F), ensuring reliable operation in any climate.

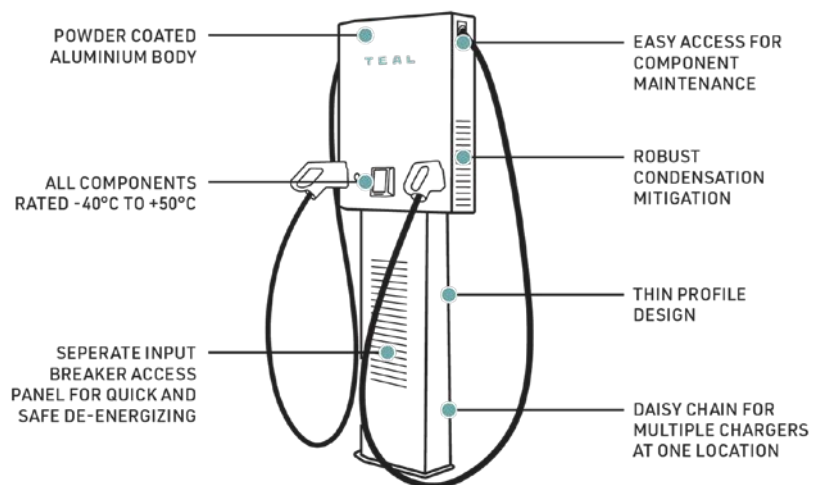
Ideal for public/shared charging amenities or in fleet charging scenarios.

- Offline/networked versions available for fleet and charge point operators.
- Standard dual cable design can be customized with any combination of CCS1 and NACS (TESLA).
- 3 years warranty on all components including cables



Key Design Features

1. Physical payment terminal (Tap/Insert/Swipe/NFC) allows for reliable app-free operation and access control.
2. Thin-profile design allows for ease of installation in sidewalks and against external walls of buildings
3. Powder-coated aluminum body construction prevents corrosion and ensures long lifespan.
4. Condensation mitigation technology ensures inside the cabinet stays dry year-round.
5. Special air intake design ensures seamless operation under heavy/continuous rain.
6. Built-in daisy chaining terminal block allowing up to 4 units installed using one main breaker.
7. Input breaker in pedestal ensures quick de-energizing for safe maintenance without interrupting other daisy chained chargers.
8. All components are readily accessible and easily serviced (Front lid pivots up and self latches for inspection).



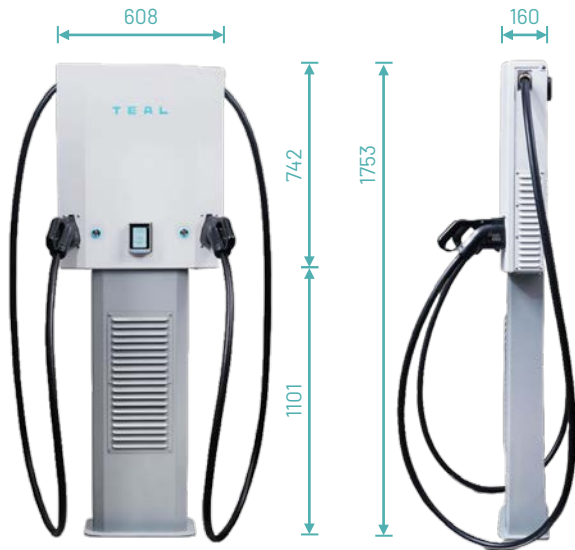
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DIMENSIONS, GENERAL SPECIFICATIONS, OPTIONS & PART NUMBERS

Dimensions

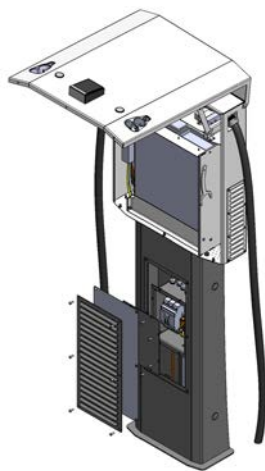


All dimensions are in millimetres.

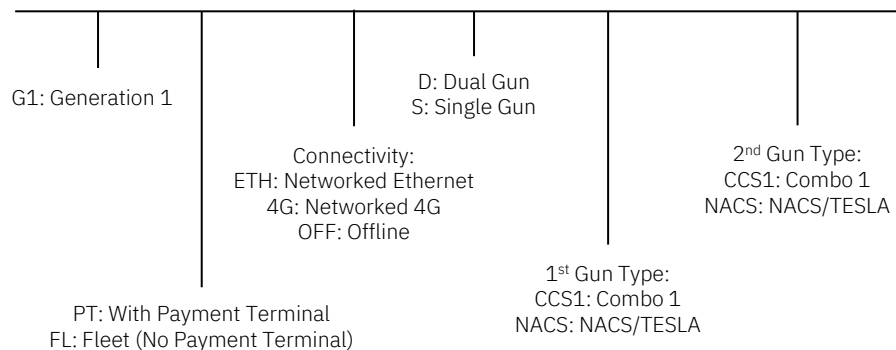
GENERAL SPECIFICATIONS	
OUTPUT CURRENT	100A
OUTPUT POWER	30KW, 150-1000V dc
MAX CONNECTIONS	TWO GUNS PER UNIT
3Φ AC INPUT (3P+PE)	340V TO 528V
FREQUENCY	50HZ/60HZ
POWER FACTOR	>0.99
EFFICIENCY	> 95% @ FULL LOAD
STANDARD WARRANTY	THREE YEARS
OCPP VERSION	1.6J AND 2.0.1



Options & Part Numbers



G1 - PT - ETH - D - CCS1 - NACS



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LEVEL 3 DC FAST CHARGER



DETAILED SPECIFICATIONS

AC INPUT
3 Φ (3P+PE), 340V-528V
Max. Input Current 54A, 70A Breaker Included In Pedestal
Frequency 50Hz/60Hz
Power Factor Greater Than 0.99
Full Load Efficiency > 95%

DC OUTPUT
Output Voltage Range CCS: 150-1000Vdc NACS: 150-1000Vdc
Max. Output Current CCS: 100A NACS: 100A
Connector Options (Based on Customer Specs): 2 CCS/2 NACS/1 CCS and 1 NACS
Voltage Accuracy $\pm 1\%$
Current Accuracy $\pm 1\%$

USER INTERFACE AND CONTROL
Stop Button With RGB Indicators
PCI Compliant Payment Terminal (Tap/Insert/Swipe/NFC)
User Authentication RFID (Version with Payment Terminal Only): Supports ISO 14443A/B
OCPP 1.6J and 2.0.1 (Networked Version)

COMMUNICATION
External: Ethernet and 4G
Internal: CAN bus/Ethernet/RS485/RS232

ENVIRONMENTAL
Operating Temperature -50°C to +50°C (-58F to 122F), Power Derating Starts at +52 °C/126F
Humidity 5%~95% RH, Non-Condensing
Altitude $\leq 2000m$
Aluminum Type 3R Rainproof Enclosure
Air-Cooled System

PROTECTION
Input Protection: SPD, OCP, OVP, OTP, UVP, OPP
Output Protection: IMD, GMI, OCP, OVP, OTP, LVP, SCP

REGULATION
Compliance UL 2202, UL 2331-1, UL2231-2, UL50E, CSA C22.2 No 107.1/CSA C22.2 No 281.1-12/CSA C22.2 No 281.2-12, cCSAus (pending)
Charging Interface ISO15118 (CCS1/NACS)