

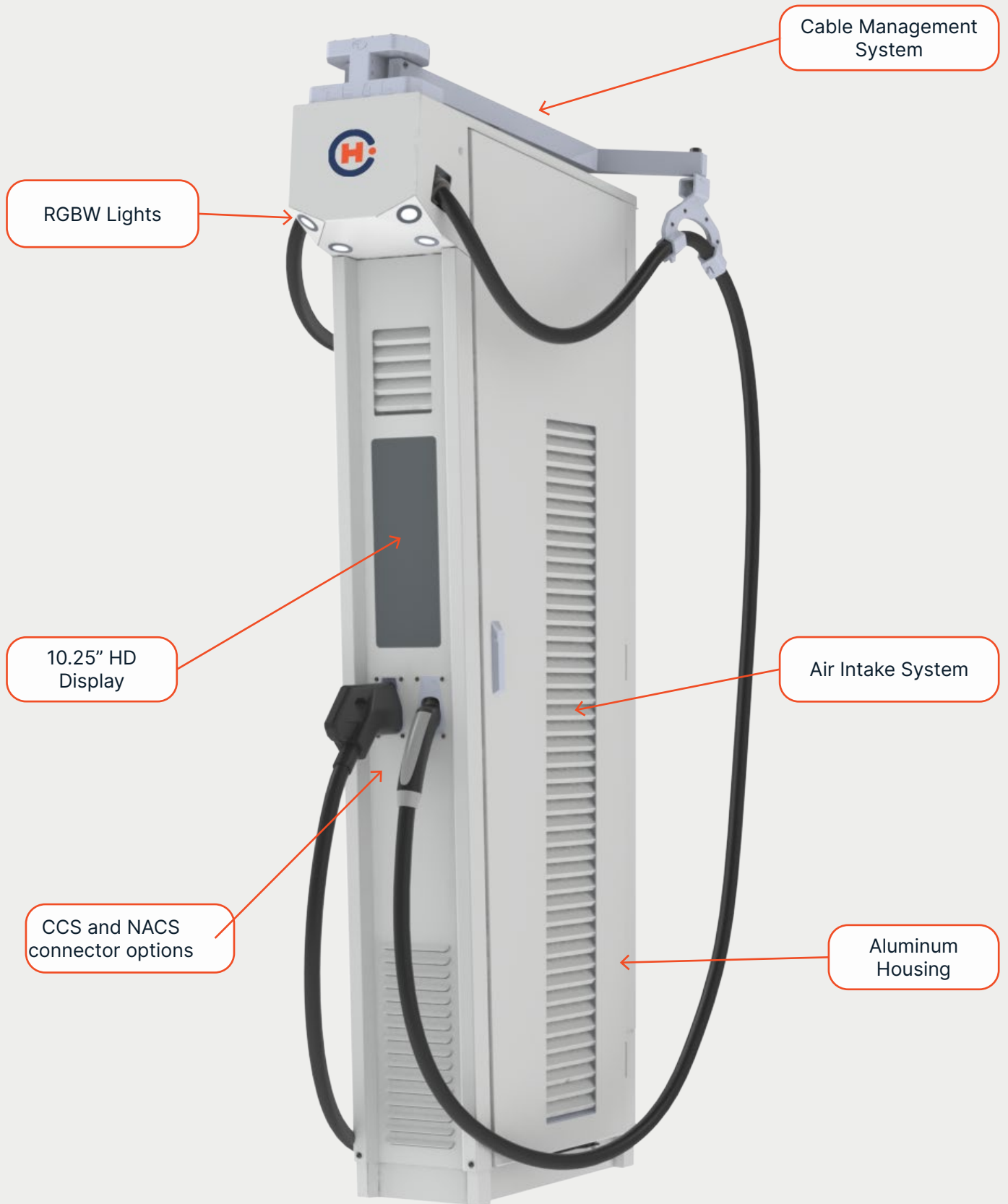


TEAL Optimum

DC Fast Charging Station



TEAL Optimum Features





TEAL Optimum

Specifications

GENERAL SPECIFICATIONS	
OUTPUT CURRENT	80kW: 266A, 120kW: 400A, 160kW: 533A, 200kW: 665A, 240kW: 800A
OUTPUT POWER	80, 120, 160, 200, 240KW, 150 -1000V dc
MAX CONNECTIONS	2 SIMULTANEOUS VEHICLES
3Φ AC INPUT (3P+PE)	380V TO 480V
FREQUENCY	50HZ/60HZ
POWER FACTOR	>0.99
EFFICIENCY (MAX)	> 97.5% @ FULL LOAD
OCPP VERSION	1.6J AND 2.0.1

AC INPUT
Voltage Range: 340V -528V 3Φ (3P+PE)
Rated Voltages: 480V 3Φ (3P+PE)
Max Continuous Input Current At 480V Volts: 240kW: 300A, 240kW: 250A, 160kW: 200A, 120kW: 150A, 80kW: 100A
Frequency 50Hz/60Hz
Power Factor Greater Than 0.99
Max Full Load Efficiency > 97.5%

DC OUTPUT
Output Voltage Range CCS: 150~1000Vdc NACS: 150~1000Vdc
Continuous Output Current CCS, NCC: 250A/350A, NACS, NCC: 250A/350A
Connector Options (Based on Customer Specs): 2 CCS/2 NACS/1 CCS + 1 NACS
Voltage Accuracy ±0.5%
Current Accuracy ±1%

USER INTERFACE AND CONTROL
PCI Compliant Payment Terminal Optional (Tap/Insert/Swipe/NFC)
User Authentication RFID: Supports ISO 14443A/B
OCPP 1.6J and 2.0.1

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

ENVIRONMENTAL
Rated Temperature Range -50°C to +50°C (-58F to 122F), Power Derating Starts at +52 °C/126F Operating Temperature Range -60°C to +70°C (-76F to 158F)
Humidity 5%~95% RH, Non -Condensing
Altitude ≤ 2000m
Aluminum Type 3R Rainproof Enclosure
Air-Cooled System

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

REGULATION
Compliance UL 2202, UL 2231 -1, UL2231 -2, UL50E, CSA C22.2 No 346:22, cCSAus
Charging Interface ISO15118 (CCS1/NACS)



hypercharge.com