

V1G Smart Charging | Dual Port | 120kW | CCS1 Connector

Nuvve's DC charging station (Model – TP-120DC-V1G-H2-CC) is ideal for smart charging medium and heavy-duty electric vehicle fleets. This charger is a perfect fit for all electric school bus applications and comparative commercial fleets.

TP-120DC-V1G-H2-CC paired with our FLEETBOX™ software, powered by our energy management and aggregation platform, GIVE™, enables smart charging of any vehicle to optimize energy cost, lowering Total Cost of Ownership (TCO) while prioritizing your fleet mobility needs.

KEY FEATURES



- 120kW Dual Port
- Smart Charging
- California ADA compliant
- Energy Star
- Wi-Fi, 4G/LTE, Ethernet
- OTA UPDATES
- OCPP 1.6J Compliant
- UL-2202
- UL-2231

ALL-IN-ONE DC CHARGER



The Nuvve DC 120kW Smart Charging station, featuring dual CCS1 connector, is an all-in-one unit that eliminates the need for installing satellite power cabinets, saving space and construction cost. It is designed and built to meet all applicable safety standards in North America



YOUR FLEET'S CHARGING/V2G ACTIVITY AT A GLANCE

Use the Nuvve FLEETBOX™ mobile app or web portal to remotely monitor charging, schedule trips, and trigger emergency charging.



WIDE CONNECTIVITY OPTIONS AND DATA AT YOUR DISPOSAL

Connect the charger to the internet using Cellular, Wi-Fi or Ethernet and access charger data in real time and over-the-air updates. Customize reports to view your energy usage over time.



SAVE MONEY AND HELP THE GRID

Nuvve FLEETBOX™, powered by Nuvve's proprietary GIVE™ platform, allows you to optimize your electricity bills by managing charging. Optimizing for time of use, leveraging off-peak hours and making sure your mobility needs are met.



Technical Specs

AC SPECIFICATIONS (POWER)	
Rated Power	120 kW
Number of Connector	2
Utility Grid Voltage	480 Vac
Max Rated Utility Current	200A Breaker or 180A FLA
Wiring	3Phase WYE (L1, L2, L3, Neutral, Ground) TN/TT
Utility Grid Frequency (Hz)	60 Hz
Power Factor Range	>0.98 @ 100% full load (Charging)
Charging Efficiency	≥94% at nominal output power
Surge Protection	20 kA
DC OUTPUT	
Maximum Power	120kW
Voltage Operating Range	150-1000VDC
Maximum Current	200A DC Output
Connector and Cable	CCS1 or NACS connectors Up to 7.62m (25ft), Cable Retractor Included
MECHANICAL	
Dimensions (W x D x H)	39.94" x 29.52" x 73.44"
Weight	370kg (816 lbs)
ENVIRONMENTAL	
Cooling	Air Cooling Fans
Environmental Rating	NEMA 3S (IP54), IK10
Operating Ambient Temperature	-4°F to 131°F (-20°C to 55°C)
Storage Ambient Temperature	-22°F to 140°F (-30°C to 60°C)
Working Storage Humidity	95% RH ≤ 99% RH (Non-condensing)
Altitude	UP to 6500ft (2000m or 1.2mi) above sea level
COMMUNICATION & CONTROL	
Network Interface	Ethernet, 4G/LTE, WiFi
Communication & Protocol	DIN 70121, SAE J1772, ISO 15118-2, ISO 15118-20, OCPP 1.6J, OCPP 2.0.1 Ready
Authentication	AutoCharge, RFID, Credit Card
CERTIFICATION, SAFETY, & COMPLIANCE	
Certifications	UL-2202, UL-2231-1/-2, EMC:EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012

