

## V1G Smart Charging | 30kW | CCS1 Connector

Nuvve's DC charging station (Model – TP-30DC-V1G-H1-C) is ideal for smart charging medium and heavy-duty electric vehicle fleets with overnight cycles. This charger is a perfect fit for all electric school bus applications and comparative commercial fleets.

TP-30DC-V1G-H1-C 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



#### COMPACT YET POWERFUL CHARGER

The Nuvve DC 30kW V1G charging station is a compact charger featuring CCS1 connector. It can be wall- or pedestal-mounted and is a great fit for space-restricted locations. 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, discharging, 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.

- 30kW V1G
- Smart Charging
- California ADA compliant
- Energy Star
- Wi-Fi, 4G/LTE, Ethernet
- OTA UPDATES
- OCPP 1.6J & 2.0.1 Compliant
- UL-2202
- UL-2231





Intelligently Electrifying the Planet

# NUVVE DC V1G 30kW

MODEL: TP-30DC-V1G-H1-C

## Technical Specs

AC SPECIFICATIONS (POWER)	
Rated Power	30 kW
Utility Grid Voltage	480 Vac-3Phase (+10%, -15%)
Max Rated Utility Current	50A Breaker or 40A FLA
Wiring	3Phase WYE (L1, L2, L3, Neutral, Ground), TN/TT
Utility Grid Frequency (Hz)	50/60 Hz
Power Factor Range	>0.98 @50%~100% full load (Charging)
THD for Linear Loads	<5% (Full Load)
Charging Efficiency	≥94% at nominal output power
Short Circuit Current	20 kA
DC OUTPUT	
Maximum Power	30kW
Voltage Operating Range	150-1000VDC (Charging), 300-1000VDC (Discharging)
Maximum Current	100A DC Output
Connector and Cable	1 CCS1 connector, up to 8m (25ft)
MECHANICAL	
Dimensions	22.44" x 13.41" x 27.56"
Weight	71kg (157lbs)
ENVIRONMENTAL	
Cooling	Air Cooled
Environmental Rating	NEMA 3S, IK10, IP54
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, 5G
Communication & Protocol	DIN 70121, SAE J1772, ISO 15118-2, OCPP 1.6J, OCPP 2.0.1
Authentication	AutoCharge, RFID: ISO/IEC 14443A/B    Credit Card Reader - Optional
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, Buy America Compliant

