

Nuvve DC Rapid HD Charging Station

V2G | 125kW | DC CCS | HEAVY-DUTY

The Nuvve DC Rapid HD Charging Station (RES-HD125-V2G) is designed specifically for vehicle-to-grid (V2G) applications and is the ideal solution for the rapid, smart charging of heavy-duty fleet vehicles such as electric school buses. The RES-HD125-V2G is fully controllable through Nuvve's fleet management app and our V2G platform (GIVE™) enables unidirectional charging of any vehicle or bidirectional V2G charging and grid-connected building load management services when connected to a V2G-compatible vehicle.

KEY FEATURES

✓ **CCS1 CONNECTOR (COMBO)**

✓ **UL-1741 SA**

✓ **IEEE 1547**

✓ **95% EFFICIENCY**



POWERFUL, RELIABLE CHARGES

The Nuvve DC Rapid HD Charging Station (RES-HD125-V2G) features a CCS connector that can charge any vehicle with combo connector and discharge V2G-compatible vehicles with Nuvve software integration. It is designed to meet all utility safety standards in North America to enable interconnection of vehicles as a distributed energy resource.



YOUR FLEET'S CHARGING ACTIVITY AT A GLANCE

Drivers and fleet managers can remotely monitor and configure the charging of their buses via a fleet management app and trigger instant charging if needed.*



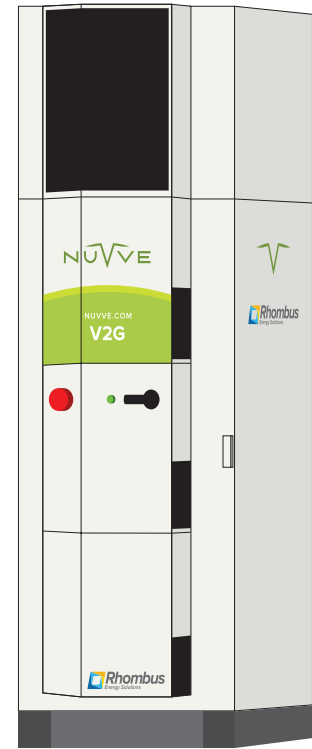
INTELLIGENT GRID SERVICES

Nuvve's solution is fully scalable to fit your needs and can perform a variety of grid services including frequency regulation, demand response, demand charge management, and time-of-use rate arbitrage, depending on region and grid interconnection.

**Coming soon to the U.S. market*

Technical Specs RES-HD125-V2G

AC SPECIFICATIONS (POWER)	
Bidirectional Capable	Yes
Rated Power (kW/kVA)	125
Utility Grid Voltage (Vac)	480-3P
Max Rated Utility Current (Aac)	167A @ 480VAC (60 Hz)
Wiring	3 phase WYE (L1, L2, L3, Neutral, Ground)
Utility Grid Frequency (Hz)	60
Power Factor Range	+/- 0.5
THD for Linear Loads	<5%
Charging Efficiency	>95%
Grid Isolation	Galvanic, Integrated
DC OUTPUT	
Maximum Power (kW)	125
Voltage Operating Range (Vdc)	450 to 900
Maximum Current (Adc)	+/- 200A (charging cable limited)
Connector and Cable	CCS1, up to 8m (25 ft)
ENERGY METERING	
AC Energy Meter	+/- 2% from 10% to full scale
MECHANICAL	
PCS Dimensions	39.5"W x 24"D x 115"H
PCS Weight	2150 lbs
Dispenser Dimensions	22"W x 17"D x 75"H
Dispenser Weight	150 lbs (configuration dependent)
ENVIRONMENTAL	
Cooling	Air + integrated liquid heat exchanger
Environmental Rating	NEMA 3R
Operating Ambient Temp.	-20°C to 45°C (-4 to 113°F)
Storage Temperature Range	-30°C to 60°C (-22 to 140°F)
Humidity	0 to 95% (non-condensing)
Altitude	De-rated over 2,000 m above sea level
COMMUNICATION & CONTROL	
Network Interface	Standard: Ethernet (Optional: WiFi, 3G, 4G, LTE)
CERTIFICATION, SAFETY, COMPLIANCE	
Certifications	UL1741-SA, UL 2202, UL 2231, IEEE 1547.1 & CSA C22.2 No. 107.1-16



Charging Station



Dispenser

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All product specifications as of August 2021 and are subject to change. Please contact Nuve for updated information.
Charging station and dispenser not to scale.