



We Make Electric Vehicles Greener

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# Nuve DC Heavy Duty Charging Station

V2G | 60kW | DC CCS | Heavy-Duty

The Nuve DC Heavy-Duty Charging Station (RES-HD60-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-HD60-V2G is fully controllable through Nuve's fleet management app and our V2G platform (GIVE™) enables unidirectional charging of any vehicle or full, bidirectional V2G and vehicle-to-building (V2B) services when connected to a V2G-compatible vehicle.

## Key Features

- ✓ CCS1 connector (combo)
- ✓ IEEE 1547
- ✓ UL-1741 SA
- ✓ 95% efficiency



### Powerful, Reliable Charging

The Nuve DC Heavy-Duty Charging Station (RES-HD60-V2G) features a CCS connector that can charge any vehicle with combo connector and can discharge vehicles with V2G capability. 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

Nuve's fleet management app allows you to set and schedule charge levels for each vehicle in your fleet. Instant access to view vehicle charging status and state of charge allow quick views of an entire fleet with the ability to trigger instant charging if needed.

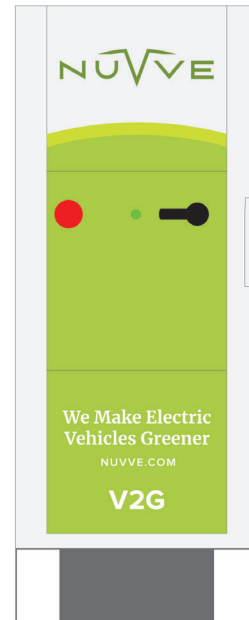


### Intelligent Grid Services

Nuve'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.

# Technical Specs RES-HD60-V2G

AC Specifications (Power)	
Bidirectional Capable	Yes
Rated Power (kW/kVA)	60
Utility Grid Voltage (Vac)	480-3P
Max Rated Utility Current (Aac)	79A @ 480VAC (60 Hz)
Wiring	3 phase WYE (L1, L2, L3, Neutral, Gnd.)
Utility Grid Frequency (Hz)	60
Power Factor Fange	+/- 0.5
THD for Linear Loads	<5%
Maximum Efficiency	>95%
Grid Isolation	Galvanic, Integrated
DC Output	
Maximum Power (kW)	60
Voltage Operating Range (Vdc)	270 to 870
Maximum Current (Adc)	+/- 200A (charging cable limited)
Connector and Cable	CCS1, up to 8m (25 ft)
Energy Metering	
AC Energy Meter (Option)	+/- 1% from 10% to full scale
Mechanical	
PCS Dimensions	31.5"W x 24.5"D x 82"H
PCS Weight	1600 lbs
Dispenser Dimensions	22"W x 17"D x 75"H
Dispenser Weight	150 lbs (configuration dependent)
Environmental	
Cooling	Air cooled
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

\*Images not to scale