



“ HydroCharge is a gamechanger

for our operation. We can keep electric vehicles charged and moving and respond instantly to bricked vehicles. We can work anywhere in the yard without waiting for grid upgrades.”

Finished Vehicle Logistics Yard Manager,
Major FVL Yard in Detroit area

PORTS & TERMINALS

NUVERA® HYDROCHARGE™

NUVERA HYDROCHARGE™ HELPS PORTS OVERCOME GROWING GRID CONSTRAINTS AND ELECTRIFICATION CHALLENGES — KEEPING PORT EQUIPMENT MOVING AND PROVIDING RELIABLE OFF-GRID POWER FOR A WIDE RANGE OF OPERATIONS.

APPLICATION.

Container and Ro-Ro Ports & Terminals. Providing off-grid peak, interim, and long-term power for both scheduled and unscheduled electric vehicle charging. Highly mobile for wet-hosing charging sessions and rescuing bricked vehicles.

CHALLENGE.

As the number of electrified vehicles and machinery at ports continues to grow, there is mounting pressure on the existing electric grid infrastructure to keep up and maintain an agile energy/re-fueling process. Adding to those challenges, electric infrastructure expansion remains a very slow and costly endeavor.

- **Keeping Terminal Tractors** & other mobile equipment running around the clock.
- **Fully depleted (“bricked”)** EVs blocking cargo lanes or immobilized in carriers.
- **Urgent power needs** for peak periods, and remote berthing or maintenance areas.
- **Incentive and regulatory deadlines** accelerating adoption of zero-emission equipment without matching infrastructure.

Without an easy to deploy, flexible, portable, and economic clean power supply solution, both productivity and compliance are at risk.

HYDROCHARGE SOLUTION.

HydroCharge™ is a hydrogen-powered, grid-independent DC fast charger and AC genset designed for heavy-duty port environments.

With HydroCharge, ports can:

- **Charge zero-emission vehicles** and equipment on the spot — no long runs to remote charging stations, no towing, no delays, no bricked vehicles — keeping operations flowing.
- **Replace diesel** “wet-hose” fueling practices with quiet, mobile, zero-emission charging.
- **Deploy power anywhere** in the yard, from container stacks to remote berths.
- **Fast charge for continuous uptime**, dramatically reducing battery charging times.
- **Employ hydrogen power** while permanent electrification infrastructure is built.
- **Lower operating costs** compared to battery-based mobile chargers, while remaining competitive with diesel.

NUVERA®

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