HYBRID ELECTRIC POWER WITH NO COMPROMISES

GREEN YOUR FLEET AT 1/4 THE COST OF A FULL EV

VOLTAGEN

www.voltagenpower.com
616 226 4222

BETTER PERFORMANCE

Faster lifts, more weight and lasts all day from a single charge

NO-IDLE AIR CONDITIONING

Integrated 58V compressor runs factory A/C for operator comfort

EXPORTABLE POWER

Replaces generator functionality - create your own microgrid

CHARGE WHILE DRIVING

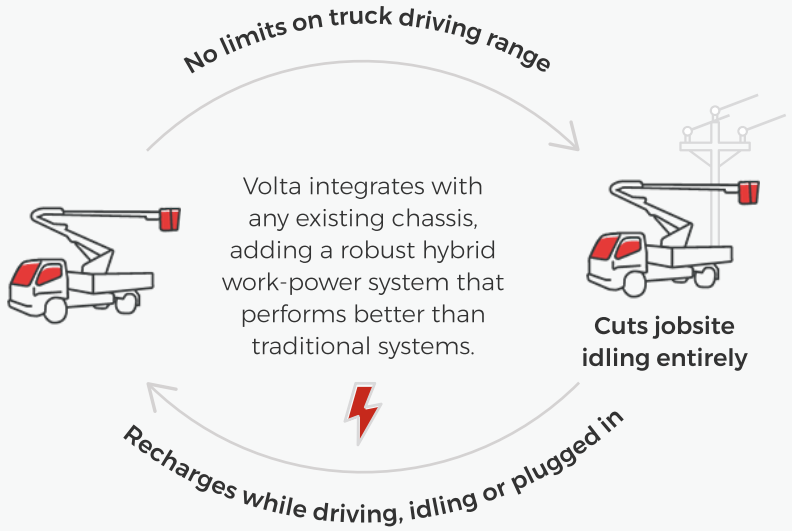
High output alternator charges system while idling or driving

LITHIUM ION THAT KEEPS IT PROMISES

Unlike nearly all drop-in systems based on consumer-grade technology (used in laptops and toys), Volta provides access to the same reliable, robust technology that automakers have spent billions of dollars developing:

- **Run all day and quietly at night, enabling third shift work**
- **Best-in-class hydraulic performance**
- **Improved operator safety, health and awareness**
- **Efficiently runs cabin A/C for driver comfort on hot days**

HYBRID WORK POWER

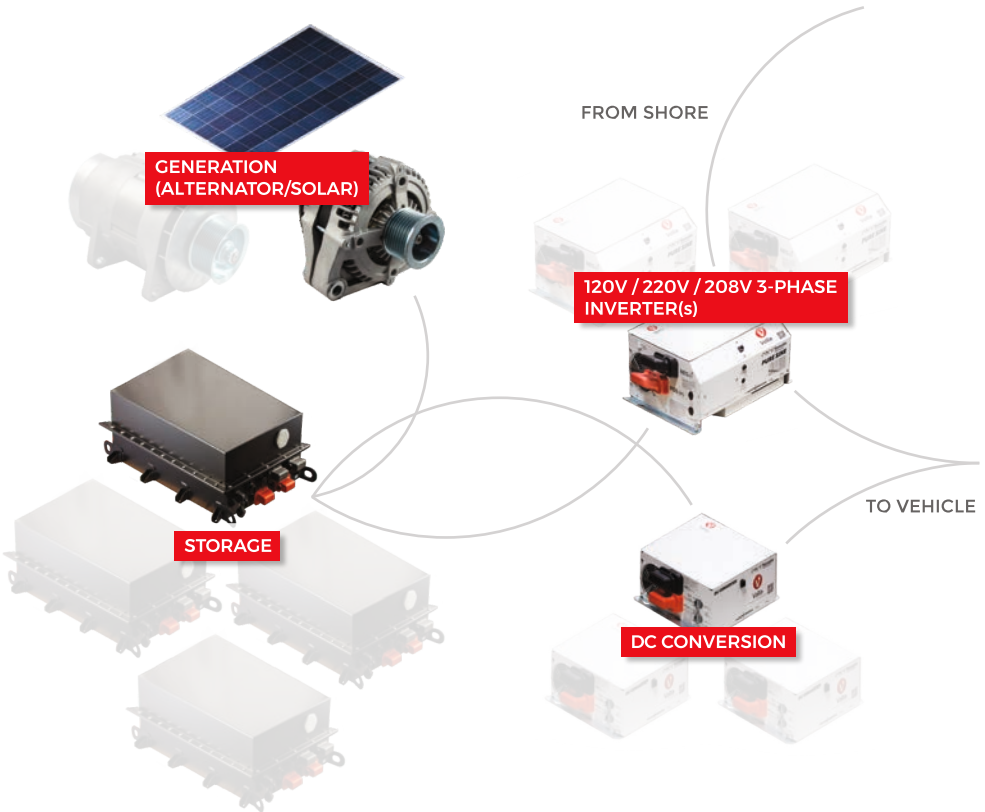


FASTEST ROI FOR ANTI-IDLING TECHNOLOGY

An idle-free worksite means reduced wear on the truck, lower fuel consumption and fewer oil changes. Your trucks spend more time getting stuff done and much less time in the shop. At ***1/4 the cost investment of a full hybrid truck*** (drivetrain), a Volta hybridized vehicle will quickly pay for itself. What's more, it qualifies for green fleet grant funding.

SCALABLE STORAGE, GENERATION & DISTRIBUTION

Built on a module-based platform, a Volta system can meet any capacity need from 3.3kWh through over 100kWh. This scalable approach also means you can customize under-the-hood generation to match charging needs and distribute power through a system of pure-sine AC/DC inverters (120V, 240V and 208V three-phase) and DC conversion to any voltage you need.



RAPID ROI

Idling is harder on your truck than you know. Simply by eliminating idling, the Volta system can pay for itself in just a couple of years. The rest is money in your pocket.

UNDERSTAND THE COST OF IDLING

Idle Fuel Cost and Mileage Equivalent	
Fuel cost per gallon [1]	$3.06
Gallons per hour @ idle [2]	0.9
Idle hours per day	8
Weeks idling per year	52
Costs per idling week	$110.16
Idle cost per idling month	$440.64
Total Idle Cost Per Year	***$5,728.32***
Idle hours per year	2080
"Miles" per idle hour [3]	25
Total Idle "Miles" Per Year	***52,000***

Chassis Maintenance Cost Assumptions	
Oil, Filter & Labor - Every 7,500 miles or 300 hours [4,5]	$304.99
Air Filter - Change/indicator (assume 15,000 miles or 600 hours) [6,7]	$100.00
Diesel Particulate Filter - 200,000 miles or 8,000 hours [8,9]	$2,000.00

Savings from Cutting Idling (12 months)	
Fuel Savings	$5,728.32
Oil & Filter (6 changes / year)	$1,829.94
Air Filter (3x / year)	$300.00
Diesel Particulate Filter (change every 4 years)	$500.00
Depreciation from Idling [10]	$6,500.00
Total Annual Savings:	***$14,858.26***

Sources:
1 Weekly Retail Gasoline and Diesel Prices. (2020, April 27). Retrieved from https://www.eia.gov/dnav/pet/PET_PRI_GND_DCUS_NUS_A.htm
2 Argonne National Library. (2018, February). Idling Reduction Savings Calculator. Retrieved from https://www.anl.gov/sites/www/files/2018-02/idling_worksheet.pdf
3 Ford Motor Company. (2009, April). How Idle Time Impacts Engine Maintenance. Retrieved April 30, 2020, from https://www.powerstrokediesel.com/docs/How_Idle_Time_Affects_Maint_Intervals.pdf
4 Mancilla, K. (2018, November 9). How to Maintain Your Boom Truck. Retrieved from https://blog.beaconfunding.com/business/how-to-maintain-your-boom-truck/
5 Travel Centers of America. (2020). Truck Oil Change Packages. Retrieved from https://www.ta-petro.com/amenities/truck-repair-maintenance/preventive-maintenance/truck-oil-change-packages
6 Cummins Inc. (2019, August 7). When Should I Change My Engine's Filters? Retrieved from https://shopcummins.com/blogs/cummins-expert-blog/when-should-i-change-my-engine-s-filters
7 Babcock Auto Care. (2018, October 3). How much does diesel truck repair cost? Retrieved from https://www.babcockautocare.com/blog/how-much-does-diesel-truck-repair-cost-
8 Minuteman Trucks, Inc. (2017, March). OEM Recommended DPF Cleaning Intervals. Retrieved from https://www.minutemantrucks.com/wp-content/uploads/2017/03/DPF-Engine-Interval.pdf
9 Cummins Inc. (n.d.). Genuine Cummins New and ReCon Diesel Particulate Filters. Retrieved from https://www.cummins.com/parts/diesel-particulate-filters
10 Straight-line depreciation based on $75,000 asset cost, $10,000 salvage value, and 500,000 mile life expectancy including 25-mile/hr idling equivalent

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