

# CORE PRO

THE MOST ADVANCED  
**OFF-GRID**  
**ENERGY SYSTEMS**  
IN THE MARKET



ENGINEERED FOR PROFESSIONAL USE



## **LOWEST COST OF OWNERSHIP**

- LONGEST TRAILER LIFE
- BEST INSULATED = LONGEST RUN TIME
- LOWER MAINTENANCE
- NO FUEL, LESS NOISE, LESS EFFORT

# EDRIVE

[www.CORE-PRO.com](http://www.CORE-PRO.com)

INTELLI-CORE, LLC - LITCHFIELD, MN 55355 | 320-298-1600

A MINNESOTA COMPANY



**1 10 MONTHS:** Break-even between generator & Off-Grid Energy System (OGES)

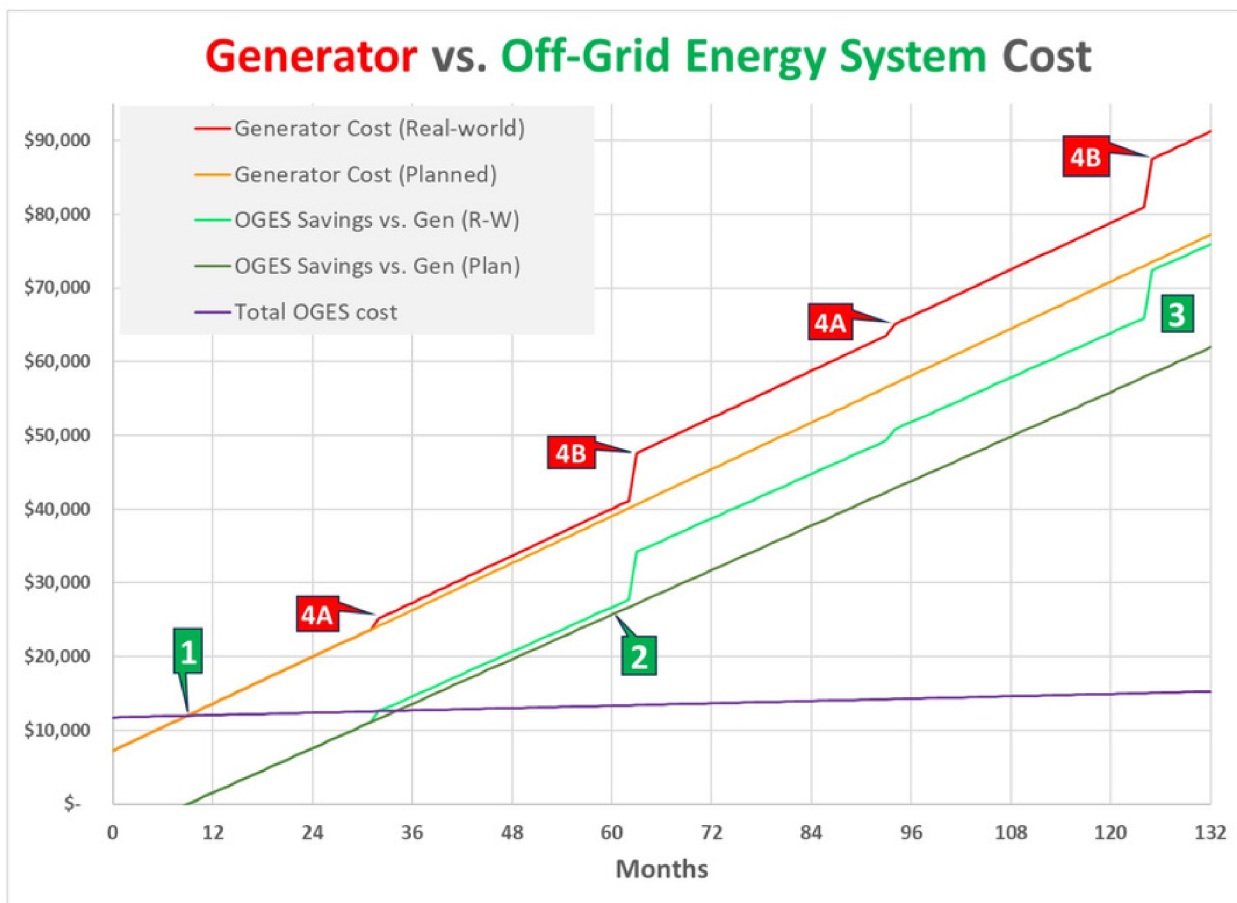
**2 \$28,000 SAVINGS** before first generator replacement!

**3 \$75,000 SAVINGS > Trailer Cost!**

OGES savings pay for entire trailer during battery warranty.

10-year savings vs. generator = \$56,000

Rated battery life 6,000+ cycles (up to 24 years!)



**4 Generator Cost (Real-world)**

Includes repairs (4A) every 5,000 hours & replacement every 10,000 hours

Assumptions:

- 160 hours of operation per month of Onan QG 4000
- Generator Cost (planned) includes only basic oil & filter changes per Onan + \$100 labor, no repairs
- Generator at 1/2 load
- Generator lasts 10 years without replacement
- Gasoline at \$3.25/gallon
- Electricity @ \$0.15 per kWh (off-peak rates would improve the savings)
- No solar - solar production is upside to this



### Why Lithium?

- Up to 3x usable runtime vs. lead acid batteries at ½ the weight
- LiFePO4 batteries are only a fraction of the cost of lead batteries in terms of delivered energy over time.
- Generators are loud, require maintenance, consume fuel, and may not be usable at all jobsites.

### Do lithium batteries work in the cold?

- Yes, the industrial batteries in the CORE are **internally heated** and will work in cold temperatures.

### How long will the A/C run?

- It depends on the temperature, sun, etc. The superior insulation in the CORE PRO enables the 10kW-hr system to run for your whole workday in most cases.
- Battery is scalable up to 25kW-hr for use up to a week.

### How long will the heater run?

- Electric heat will typically offer a 30°F temperature rise for 12-24 hours.
- Using the rooftop heat pump when possible can extend heating runtime up to 4x.

### What is the benefit of the solar panels?

- Solar panels extend runtime and reduce charging needs.
- Base 360W system can extend A/C runtime 10-15% and cover lighting needs indefinitely.
- Max Solar option can double runtime and even eliminate charging needs in some conditions!

### How long does it take to charge a battery?

- On a 30A/120VAC outlet, the 10kW-hr battery will take 4-5 hours to charge; 15A outlet 8-10 hours.

### What is the required maintenance for the lithium battery?

- None. Long term storage should be done at 50% state of charge.

### Are the batteries a fire risk?

- It is much less likely than gasoline to be the cause of a fire.
- The LiFePO4 (lithium iron phosphate) chemistry is considered much safer than many other types of batteries. No combustible gases are released.

### Is the voltage dangerous?

- No. The battery system is low voltage DC.

### How long will the batteries last? 24 years?!?

- Yes! Industrial LiFePO4 batteries are rated for 6,000 + cycles (24 years of workdays!) when properly cared for. Our batteries have an 11-year warranty.
- By comparison, lead-acid batteries may last only 200-400 cycles in best conditions.



For more FAQs,  
check out our website at:  
[www.CORE-PRO.com](http://www.CORE-PRO.com)



[www.CORE-PRO.com](http://www.CORE-PRO.com)

INTELLI-CORE, LLC - LITCHFIELD, MN 55355 | 320-298-1600



## 7012FS

- 7' Wide x 12' Long
- Single Axle
- 3850lbs GVWR
- 2200lbs Base Weight
- Electric Brakes



## 7012FT

- 7' Wide x 12' Long
- Tandem Axle
- 7000lbs GVWR
- 2410lbs Base Weight
- Electric Brakes



## 7015FT

- 7' Wide x 15' Long
- Tandem Axle
- 7000lbs GVWR
- 2765lbs Base Weight
- Electric Brakes



## Truck Bodies

- 14 Foot • 11 Foot
- 12 Foot • 9 Foot
- Option for Fiber Splice Body for Use with Aerial Lifts
- Option for Front Attic



# STANDARD FEATURES

### Frame

- Heavy-duty aluminum chassis
- 360-degree welds
- Adjustable height channel coupler with 2", 2-5/16"
- Heavy-duty folding rear step, slide-out side step

### Body

- INTELLI-CORE composite panel construction
- Structurally bonded for longer life and improved strength
- Dual-pane tip out windows
- Cable access door adjacent to entry door
- Cargo Tray

### Running Gear

- Rubber torsion suspension for improved ride and durability
- Electric brakes with emergency breakaway system
- 15" Wheels wrapped with Goodyear Tires

### CORE Rail Cargo Management

- Quickly mount tools/parts/accessories
- Move/relocate as needed without tools

### Lighting: 12V lighting allows operation without generator

- 12V LED Interior Lighting: continuous perimeter ceiling lighting minimizes shadows and task lighting illuminates the workbench.
- 12V Roof beacons standard, Sidewall Flashers and Traffic Advisors Optional
- 12V LED exterior halo lighting illuminates the work zone
- Phone app allows control of all lighting from safety of the tow vehicle

### Power

- 10kW-hr lithium battery, 4kW inverter, 360W solar
- 30A 120VAC Shore Power input plug
- 45A 12VDC Converter/charger
- 120VAC Outlets
- 12VDC and USB Charging Outlets



## UPGRADE YOUR POWER SYSTEM

### ADD ADDITIONAL POWER...

- 5kW-hr battery or 10kW-hr battery
- Increase solar to 1100W on 7015 or 660W on 7012

## CORE Advantage: Customizable To Fit Your Application

We partner with you to design and build a vehicle that is perfectly suited to expand your fleet capability in a cost effective way. Select from numerous existing options and we'll incorporate custom solutions to suit your needs.

- |   |   |                            |
|---|---|----------------------------|
| • CORE Rail Flexibility For Accessories                 | • Sidewall Mounts for Manhole Accessories | • 110V and 12V Receptacles |
| • Removable Rear Jacks for 3-point Leveling and Service | • Cabinetry and Storage Solutions         | • Awning                   |
|   |   | • Many colors available    |

FOR MORE INFORMATION & TO BE IN CONTACT WITH US, PLEASE EMAIL:  
**info@intelli-core.com**

**www.CORE-PRO.com**

INTELLI-CORE, LLC - LITCHFIELD, MN 55355 | 320-298-1600

