CORE PRO

ENGINEERED FOR PROFESSIONAL USE

EV FIBER OPTIC SPLICING TRAILER

LOWEST COST OF OWNERSHIP

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

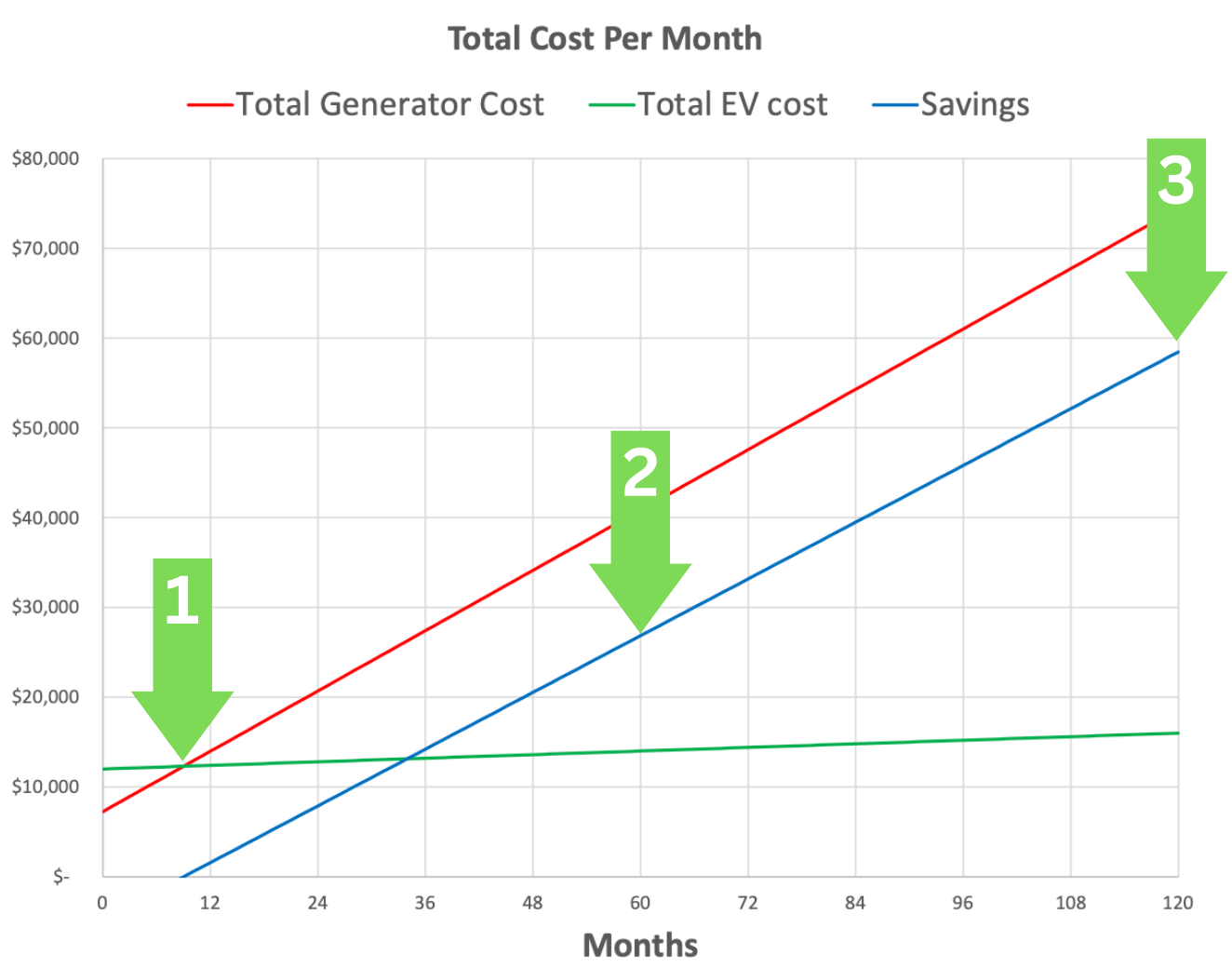
www.CORE-PRO.com

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

A MINNESOTGA COMPANY

TOTAL COST OF OWNERSHIP (TCO)

1. **Quick ROI:** The cost of the EV investment is recouped within 10 months.
2. **$28,000 in Savings!** In 60 months vs. generator.
3. **Savings = Trailer Cost** The savings over the life of the battery is $56,000.



Assumptions:

- **160 hours of operation per month of Onan QG 4000.**
- **Generator maintenance was done on Onan's recommended schedule, including air & oil filters, excluding spark plugs and valve adjustment, with $100 labor per service interval.**
- **Generator at moderate load**
- **Generator lasts 10 years without replacement.**
- **Gasoline at $3.50/gallon**
- **Electricity @ $0.15 per kWh (off-peak rates would improve the savings)**
- **Solar benefits not included**

FREQUENTLY ASKED QUESTIONS

Why Lithium?

- Up to 3x usable runtime vs. lead acid batteries at ½ the weight
- Lithium batteries cost about 40% as much as lead acid in total delivered energy over their lifetimes.
- 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.

How long will the heater run?

- Electric heat will typically offer a 30°F temperature rise for 12-24 hours.

What is the benefit of the solar panels?

- Solar adds to runtime. The standard 200W panels can add 5-10% depending on sun. More importantly, they keep the battery topped off when not in use.
- Larger solar arrays are available and can have a significant runtime benefit.

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?

- With proper use up to 10 years and 2,000 cycles is expected versus ~200-400 for lead acid. The best practice is to avoid using them below 10%.

For more FAQs, check out our website at: www.CORE-PRO.com

7015FT

- 7' Wide x 15' Long
- Tandem Axle
- 7000# GVWR
- Brakes

7011FS

- 7' Wide x 11' Long
- Single Axle
- 3500# GVWR
- Brakes

STANDARD FEATURES

Frame

- Heavy-duty aluminum chassis
- 360-degree welds
- Quick detach rear stabilizer jacks
- Adjustable height channel coupler with 2", 2-5/8", or pintle hitch
- 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 windows
- Cable access door adjacent to entry door.

Running Gear

- Rubber torsion suspension for improved ride and durability
- Axles are replaceable with standard hand tools.
- Electric brakes with emergency breakaway system

CORE Rail Cargo Management

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

Lighting: 12V lighting allows operation without generator

- 12V LED Interior Lighting: continuous 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.

Power

- 30A 120VAC Shore Power input plug
- 40A 12VDC Converter/charger
- 120VAC GFI Outlets
- 12VDC and USB charging outlets
- Battery & Inverter Compartment
- 5kW-hr or 10kW-hr Battery-Package Offerings
- Solar 200W Standard up to 1,000W Optional
- Integrated-Automatic Transfer Switch

Battery Packages

- **EV 1**: 5kW-hr battery, 3kW inverter/Charger
- **EV 2**: 10kW-hr battery, 3kW inverter/Charger

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.

- **Air Conditioning**
- **Furnace Options**
- **110V and 12V Receptacles**
- **Awning**
- **Sidewall Mounts for Manhole Accessories**
- **Cargo Tray**
- **Cabinetry and Storage Solutions**
- **Many colors available**
- **Matte Black Phenolic Worksurfaces**
- **CORE Rail Flexibility For Accessories**
- **Removable Rear Jacks for 3-point Leveling and Service**

INTELLI-CORE STRUCTURAL COMPOSITE TECHNOLOGY

LIGHTER, STRONGER, WATERPROOF, BETTER INSULATED and LONGER LASTING Compared to Traditional Trailer Construction Methods!

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