



MERCEDES SPRINTER DUAL ALTERNATOR KIT PACKAGE

Nations Starter & Alternator
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Exceeding expectations.
Again.

For today's RV Van market, Mercedes Sprinter continues to set the bar for excellence and dependability making them the top choices for today's consumer.

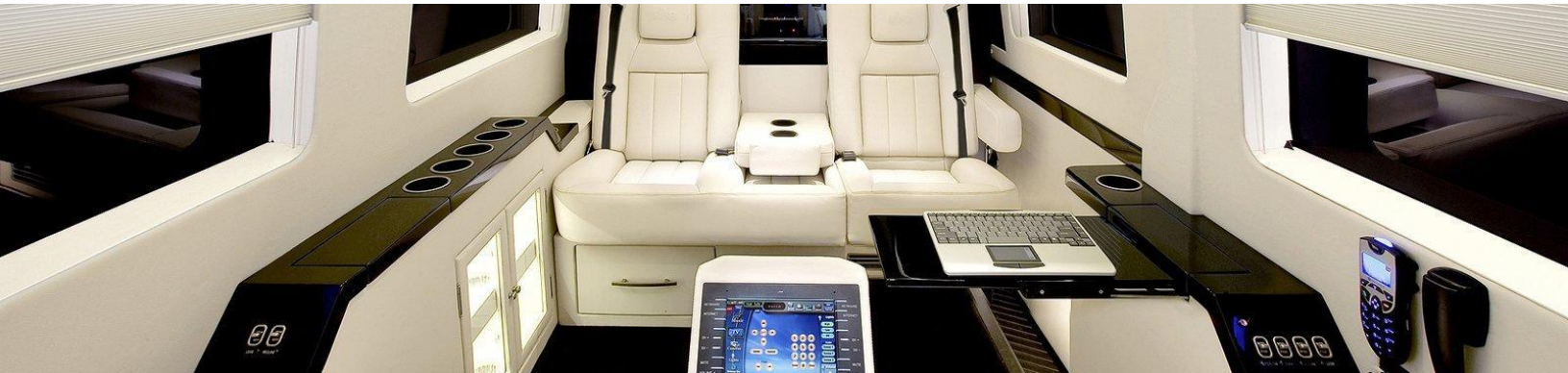
With today's rapidly evolving electrical DC to AC inverters, solar chargers and advanced power storage battery systems the off grid versatility options are endless. At the heart of the off grid mobile capability is the engine driven generator

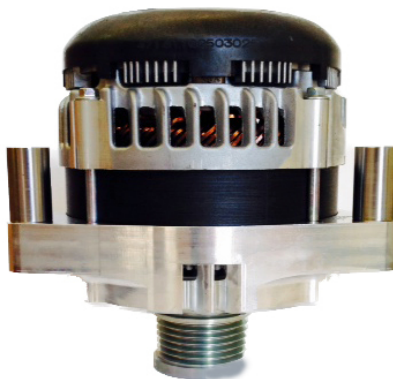
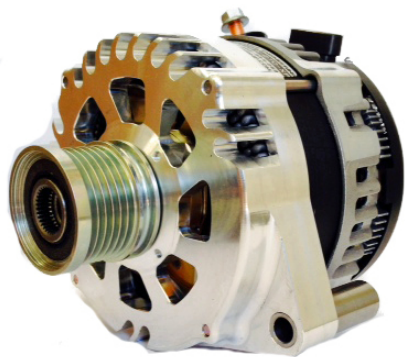
option. Nations offers the most advanced charging system technology and adapts it seamlessly to the Sprinter Diesel engines.

Our experience and innovation has made us the industry leader for harnessing the power of the engine and producing reliable electrical power even at idle speeds and precise battery re-charging.

ALTERNATOR TECHNOLOGY EVOLVED

Today's charging system technology has eclipsed anything ever thought possible 10 years prior. With internal fans, temperature compensation, denser flat wire hairpin windings, 6 phase 12 diode rectifiers and available multi step variable voltage programmable regulators they are able to charge harder and smarter than ever before. Nations has harnessed this technology and adapted it into an elegant fit for the Industry. We use customized CNC billet housings, regulators, wiring harness assemblies and pulleys to make it possible to install this type of charging system to run independently from the vehicle. The factory alternator does what it is intended to do by the original manufacturers while the auxiliary alternator takes care of the separate battery bank that supplies power to the added on accessories. This makes the vehicle more dependable and increases the available electrical capacity.





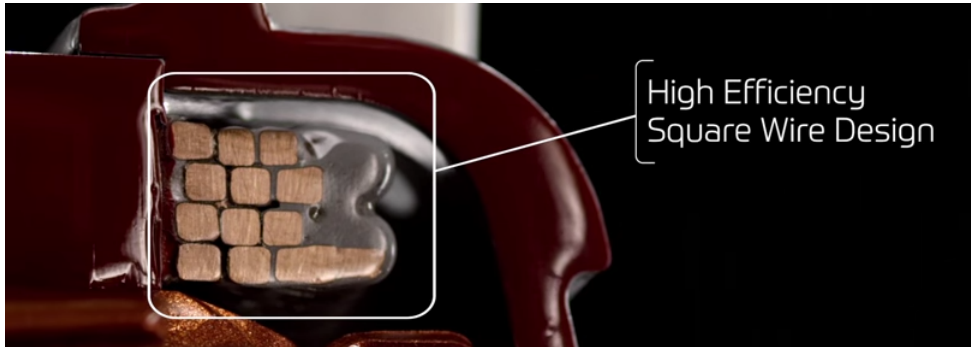
280XP HIGH AMP ALTERNATOR

The XP Series high-output alternators are the ultimate upgrade when you need the absolute biggest and most sophisticated high output alternator on the planet. All of our XP series alternators are designed for one purpose, brute force idle output. When you need the most extreme idle output with the most sophisticated integrated alternator-monitoring system to prevent thermal failures is where the XP alternator delivers. Every Nations product we sell is held to the strictest quality standards in the industry. We only use 100% brand new USA made components along with one of the most rigorous testing before each individual alternator leaves our shop. Each XP series alternator comes standard with our custom hard-anodized billet aluminum pulley and 2-year replacement warranty. If you're looking for a significant overall increase in top end and idle output, the XP series alternator is your solution

GET THE POWER YOU DESERVE

- Light Weight
- Durable
- Low Maintenance
- 280 Amps Max
- 150 -180 Amps at Idle
- Made in USA

NEW DESIGN ALTERNATOR CONCEPT

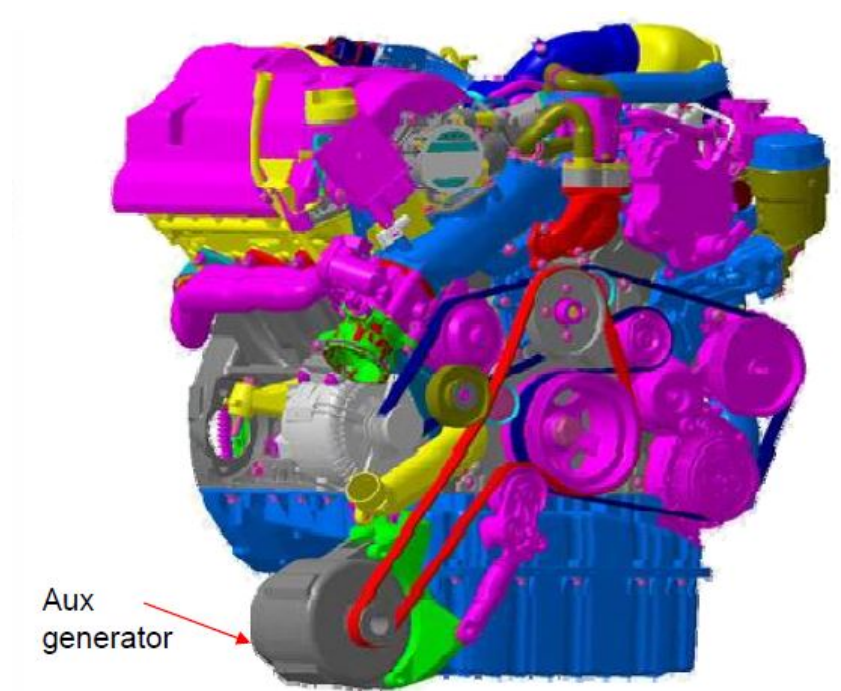


Square Wire Allows a Denser Windings creating higher output with less drag increasing fuel efficiency and decreasing wear on belt, bearings and engine components.

Unique design using modern materials and engineering allows the g/u to produce remarkable output at idle and cruising speeds increasing battery life and ability to recharge. Segment Conductor Alternator Technology out performs traditional style alternators:

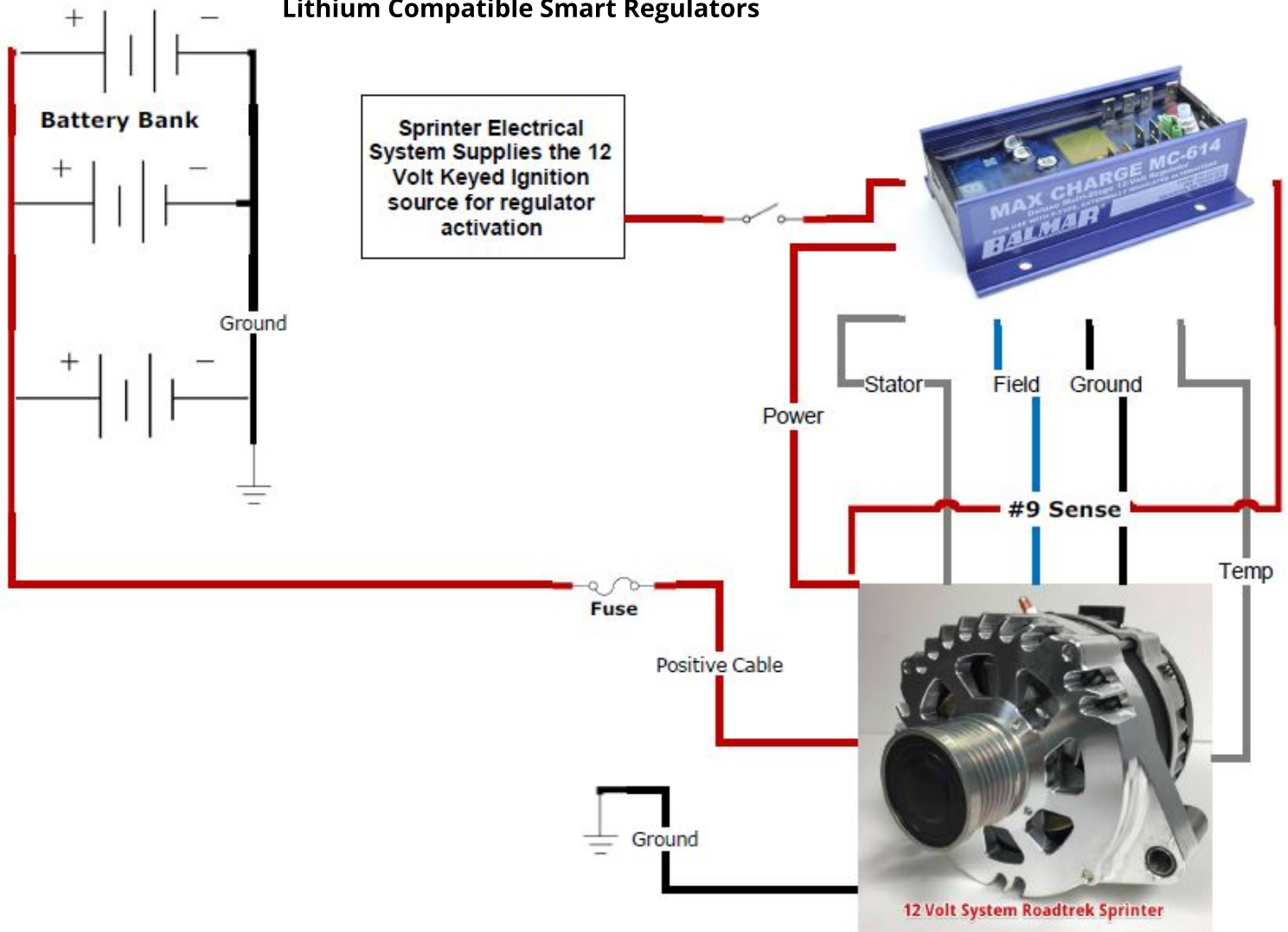
- ❑ High Output, High Efficiency, Lightweight, Low Noise- magnetic pulsation (the source of electrical noise) is reduced 90%.
- ❑ Unmatched reliability under harsh environments- Military Grade tested in the field and surpassed military standards.
- ❑ 20 percent lighter weight with 50 percent more output than traditional style alternators making it capable of recharging batteries without burning up.
- ❑ Versatile with internal and external voltage regulator options





AUXILIARY ENGINE DRIVEN GENERATOR ON MERCEDES SPRINTER 3.0L DIESEL ENGINES.

Lithium Compatible Smart Regulators



SPRINTER DUAL ALTERNATOR KIT SYSTEM FOR 3.0L DIESEL ENGINE



Pictured: Sprinter Dual Alternator Kit system with 280XP Alternator externally regulated with the MC-614 Balmar Max Charge and Temp Sensor, Mounting Bracket, Belt, Hardware, and parts.

ADVANTAGES FOR CUSTOMERS

1. Noise Reduction
2. Environment
3. Maintenance
4. Weight & Space
5. Efficiency
6. Freedom & Capability to go further off grid

