



# NEVERDOWN™ POWER MANAGEMENT



REDUCED EMISSIONS  
SOLUTION SET

- + **Safe:** Smart auto-shutoffs. Lower vibration and dramatically reduced emissions (especially NO<sub>2</sub>)
- + **Reliable:** Redundant, pure AC power sources for the entire system
- + **Efficient:** Cut maintenance and operating costs. Supplemental solar options available
- + **Scalable:** Power output and other performance characteristics customizable to your needs

## ENSURE MISSION CONTINUITY

In a world of complex challenges, *NeverDown Technologies™* by Nomad GCS is the only suite of solutions that keeps you connected and operational at all times, anywhere on the globe... When every minute matters.

Stable, robust power is the crux of any mobile operation. NeverDown Hybridized Power Management delivers resilient energy conversion, storage, and transfer with seamless transitions between battery and engine power sources. Three available systems (2, 4, or 8-hour), each managed simply by Nomad Total Command (NTC), your single pane of glass for monitoring and controlling mission-critical assets.

**NeverDown is trusted by those who cannot fail:**



Viasat™



ZODIAC  
AEROSPACE



**NOMADGCS**

**WHEN EVERY MINUTE MATTERS**  
NOMADGCS.COM + 888.755.1721



# NEVERDOWN™

## POWER MANAGEMENT

PLATFORM

POWER

CONNECTIVITY

SUPPORT

### SYSTEM OVERVIEW // SIMPLE, SEAMLESS, STABLE

To serve AC load demands, NeverDown switches between two sources; battery and engine-driven DC generator. An intelligent Battery Management System (BMS), keeps cells topped off with generator power and optional, supplemental solar. Three available configurations meet nearly any output and form factor requirements.

### POWER CONVERSION // TWO IS ONE, ONE IS NONE

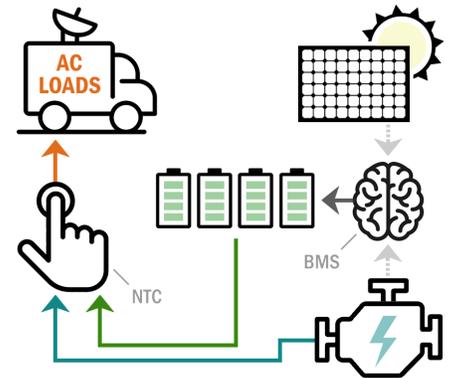
Boasting a mission-grade inverter/charger system, NeverDown is scalable to an output of 7kW, 12kW, or 18kW. Advanced AC filtering converts energy stored in the batteries or produced by the engine-driven generator to pure, clean, sine wave AC. Reliable, redundant power... No additional UPS or filtering devices needed.

### ENERGY STORAGE // POWER YOU CAN BANK ON

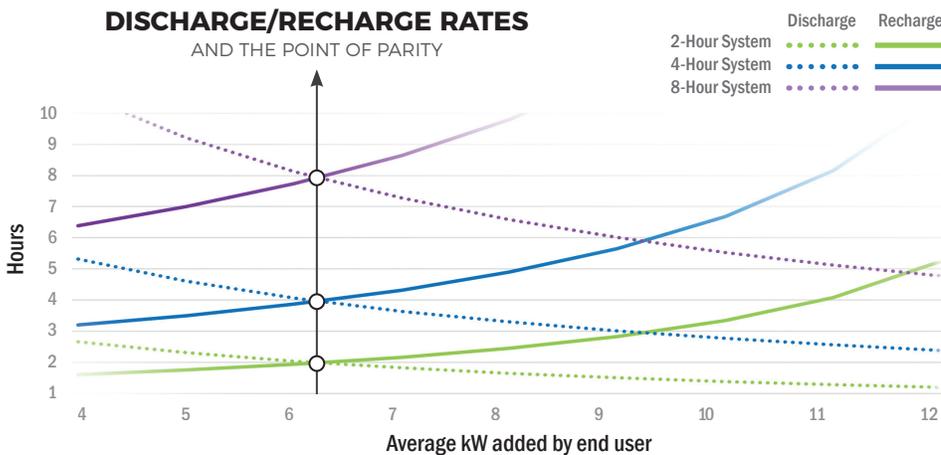
NeverDown's USA-made lithium iron phosphate batteries are coupled with a BMS that monitors *each cell* for unmatched safety. Scale battery packs to your kW load, overall runtime, and runtime by power source. Customize discharge/recharge profiles to save fuel, cut emissions, and provide silent operations (on-demand or scheduled).

### NOMAD TOTAL COMMAND // YOUR SILENT PARTNER

Monitor, control, and automate NeverDown with a touch. Get a unified operating picture and integrated command of critical systems. Deploy assets from any device, optimize connectivity on the fly, set up NIST-compliant authentication and logging. NTC vehicle management software (v3.0) does it all with ease.



### DISCHARGE/RECHARGE RATES AND THE POINT OF PARITY



### PERFORMANCE SPECIFICS

How can NeverDown Hybridized Power Management serve your needs now and remain flexible for the future?

Let's look at the graph...

With a user-added load of ~6kW (above standard Nomad equipment), one hour of vehicle runtime will yield one hour of battery runtime. Battery packs can scale up or down, impacting runtime while maintaining that 1:1 parity at ~6kW. This stable architecture means NeverDown can adapt to almost any use case.

Note: Charge starts at ~30% battery capacity and stops at ~90%. These set points can be adjusted to meet performance requirements.



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