

## Go Power Overlander-E 190W Solar Expansion Kit

### Table of Contents

- Why RV Owners Need More Power
- Solar Solution That Actually Works
- Canadian Case Study
- Installation Myths Busted
- Future of Mobile Energy

### Why RV Owners Need More Power

Ever tried running a mini-fridge while charging your drone batteries in the middle of Banff National Park? That's where Go Power Overlander-E 190W steps in. RV owners in North America face a peculiar dilemma - the more gadgets they bring, the quicker their lead-acid batteries conk out. In 2023, RVIA reported a 17% spike in solar adoption among US campers, yet 43% still complain about inadequate power reserves during off-grid trips.

Here's the kicker: Traditional 100W panels simply can't keep up with modern energy demands. You might've heard someone say "My solar setup works fine" - until they try powering an induction cooktop at 6,000 feet elevation. The 190W solar expansion kit solves this through modular design, allowing users to scale their systems without rebuilding from scratch.

### Solar Solution That Actually Works

What makes this kit different? For starters, its monocrystalline panels achieve 20% efficiency even when tilted at suboptimal angles - crucial for vehicles parked in wooded areas. During field tests in British Columbia, the system maintained 84% output under partial shading, outperforming three leading competitors.

The secret sauce lies in three innovations:

- Anti-glare coating that captures diffuse light (perfect for Pacific Northwest weather)
- Dual MPPT controllers preventing battery sulfation
- Plug-and-play connectors compatible with existing Go Power ecosystems

### Canadian Case Study

Take the Thompson family from Vancouver. They upgraded their 2017 Winnebago with the Overlander-E 190W last summer. "We could finally run our CPAP machine and coffee maker simultaneously," says Mark

Thompson. "It's not just about convenience - this became a health necessity during our Yukon expedition."

Their energy log shows:

Pre-installation 1.2 kWh/day

Post-installation 3.8 kWh/day

## Installation Myths Busted

"Solar's too complicated" - we've all heard that. Yet the 190W expansion kit installs in 90 minutes without professional help. The trick? Its pre-drilled L-track mounts fit most RV roofs, while the redesigned cable glands eliminate waterproofing nightmares.

Wait, no - let's clarify. While DIY-friendly, the system still requires basic electrical safety knowledge. Last month, an Alberta user fried their controller by ignoring the polarity labels. Moral of the story: Read the manual, folks!

## Future of Mobile Energy

As lithium batteries get cheaper (prices dropped 12% YoY), solar expansions like this will likely become standard. Imagine pairing the Go Power kit with Tesla's new Powerwall 3 - you'd have enough juice to run a small film crew in Death Valley!

But here's the rub: Most RVs still use outdated 12V systems. Until manufacturers adopt 48V architectures, even the best solar kits will face conversion losses. Still, for under \$1,800, this solution bridges today's needs with tomorrow's possibilities.

## Your Questions Answered

Q: How does it perform in -30°C weather?

A: The tempered glass withstands thermal shock, but battery efficiency drops 22% - always insulate your storage units.

Q: Warranty coverage in Mexico?

A: Go Power honors international warranties, though customs fees may apply.

Q: Compatible with DIY battery banks?

A: Absolutely, provided they have standard Anderson SB connectors.

Web: <https://mavhone.co.za>