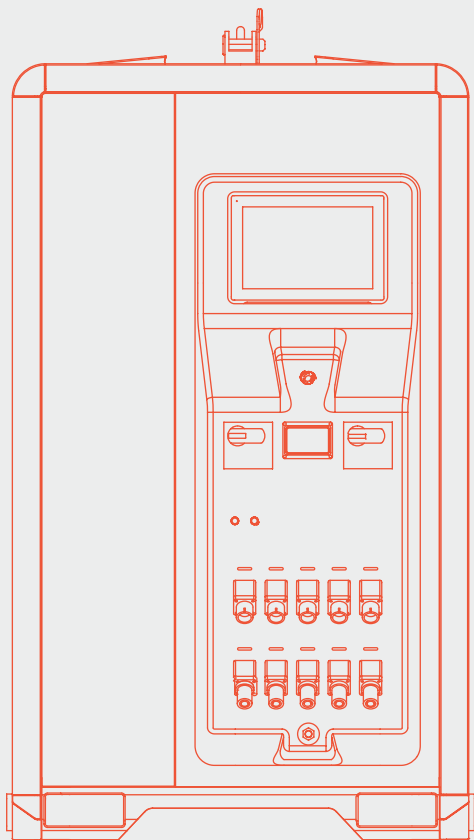




# INSTAGRID ZERO

PRODUCT RANGE



## **ZERO 120**

Energy: 120 kWh

Power: 60 kW

Peak: 180 kW



## **ZERO 240**

Energy: 240 kWh

Power: 120 kW

Peak: 360 kW



## **ZERO 360**

Energy: 360 kWh

Power: 180 kW

Peak: 540 kW



# **INSTAGRID ZERO PRODUCT RANGE:**

## TRANSFORMING HOW CLEAN POWER IS MANAGED ON SITE

Introducing the instagrid ZERO range of compact high-performance mobile battery solutions for emissions-free, silent off-grid electricity. As industries continue to electrify and decarbonize at a growing speed, the ZERO range builds on the highly advanced and distinctive instagrid technology to set a new standard in clean mobile energy. Our award-winning converter technology uses a unique architecture of stacked micro-inverters, offering unprecedented power levels with a drastic reduction of size and weight. The ZERO range is designed to optimise power infrastructure efficiency for temporary applications.

Instagrid ZERO ensures that the most challenging temporary power needs are met, from handling peak demands of heavy machinery like cranes and pumps to offering on-the-go mobile energy for lighting, catering and general film set power and alike.

The ZERO range is being developed to increase performance and flexibility in sectors including:

- Construction and infrastructure
- Live events & festivals
- Film & media
- Utilities & telecoms
- Disaster response

# UNPARALLELED PEAK POWER PERFORMANCE & ENERGY DENSITY

HALF THE SIZE AND  
WEIGHT OF EXISTING  
SOLUTIONS

The ZERO product range delivers unprecedented peak power output in 2-3 times smaller size and weight compared to other existing solutions in the market.

The compact sizing and lightweight design drastically cut the cost and environmental footprint of transportation and enables deployment in the most space-constrained sites.





### **ZERO 120**

**120 kWh / 60 kW / 180 kWp**

Ultra-compact and lightweight, meaning it can even be transported on a standard pick-up truck bed.

### **ZERO 240**

**240 kWh / 120 kW / 360 kWp**

Delivers high power without complex logistics, providing twice the power and energy of any battery transported on a light goods vehicle with a towable trailer.

### **ZERO 360**

**360 kWh / 180 kW / 540 kWp**

Powers high-demand construction equipment with ease, comparable performance characteristics until now only seen in shipping container size form factor.



## SERVING THE BROADEST RANGE OF HIGH-DEMAND APPLICATIONS



### CONSTRUCTION AND INFRASTRUCTURE

Use ZERO to boost constrained grid connections, cut generator sizes and reduce CO<sub>2</sub> emissions and fossil fuel waste. ZERO keeps your site working efficiently, from meeting the peak demands of cranes and pumps to providing silent overnight base load or recharging electric plant machinery.



## LIVE EVENTS & FESTIVALS

Run ZERO in island mode for emission-free power supply. Connect a renewable source like solar PV to ZERO for extended runtime. From production compounds and camping fields to live entertainment stages, ZERO cuts the cost of running your event site from build to break.



## UTILITIES & TELECOMS

ZERO provides silent overnight power, keeping the power on for customers during planned maintenance works. When in hybrid mode, ZERO increases refueling intervals of connected diesel generators to reduce operational overhead.



## FILM & MEDIA

ZERO is a truly silent power on location, replacing noisy generators with long cable runs. Whether mounted to a trailer, a pick-up truck bed or installed into trucks, ZERO works how you work.



## DISASTER RESPONSE

Deploy clean, reliable power rapidly without complex fuel supply challenges. ZERO supplies access to electricity when infrastructure is not available or fails.

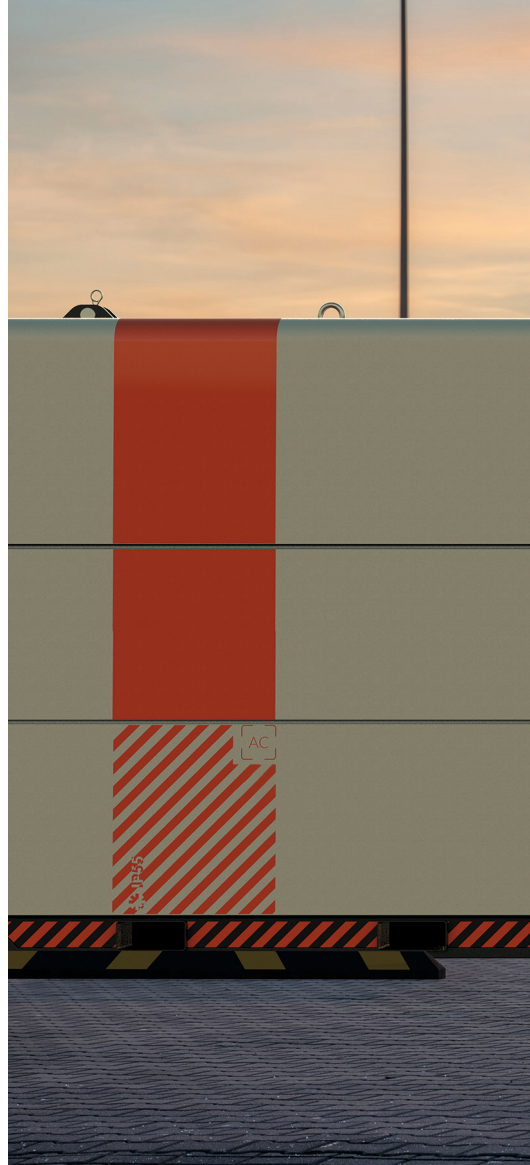
# PRODUCT FEATURES AND HIGHLIGHTS

## **ZERO LOCAL EMISSIONS OR NOISE POLLUTION**

Supports your net-zero goals with silent and emission-free electricity. Completely eliminates local emissions and noise pollution. Compact sizing and lightweight design drastically cut the environmental footprint of transport.

## **ROBUST & RENTAL-READY**

Built to last thanks to durable and modular enclosure design. Panels can be quickly and simply replaced in the event of damage. Enables rapid installation and commissioning thanks to multiple lifting options and industry-standard power distribution connectors. Internal components are all accessible for inspection and servicing.







## **RELIABLE, HIGH-QUALITY BATTERY BANK**

Designed with highly advanced technologies to ensure high reliability. Enables 10+ years of daily cycling service thanks to a two-hour- duration, high-energy-density LFP battery bank.

## **ULTRA-RAPID EV CHARGING**

To meet the rising demand for fast and flexible charging at temporary sites, ZERO enables the use of ultra-rapid DC chargers off-grid and on-site. Connect 50kW to 150kW DC chargers to deliver sustainable ultra-rapid charging anywhere.

## **FLEXIBLE, FULLY FEATURED & FUTURE-PROOF**

Put ZERO at the centre of your temporary power project to boost constrained grid, reduce generator sizes or utilise over production of renewable assets. ZERO can even be used as a stand-alone supply for shorter duration applications.

# **POWER IN YOUR HANDS, NO MATTER WHERE YOU ARE**

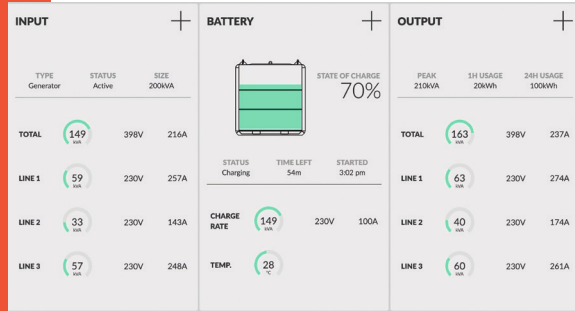
The ZERO range control systems bring total control of your entire power system to the job site. The industrial HMI is thoughtfully designed with preset modes and intuitive alerts to keep things simple, and flexible settings are there if you need them. The powerful onboard computer enables you to set-and-forget behaviour of the battery and the interconnected generation, storage and consumption equipment.

Every ZERO product has a digital twin in the cloud giving logistics coordination teams remote device management at every step of operations. Deliver energy where and when it's needed with fleet tracking and help technicians get their job done with field force automation.

No matter where you are, the power is in your hands.

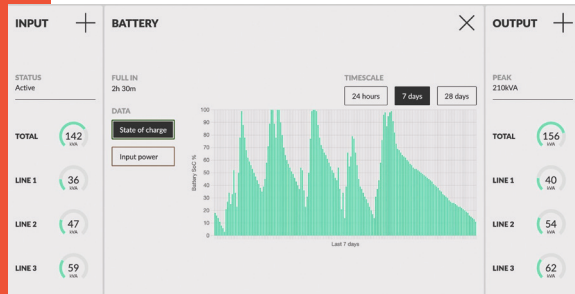
## CONNECTIVITY

Local wired and wireless networking, data-efficient cellular communications and push notifications to internet connected devices.



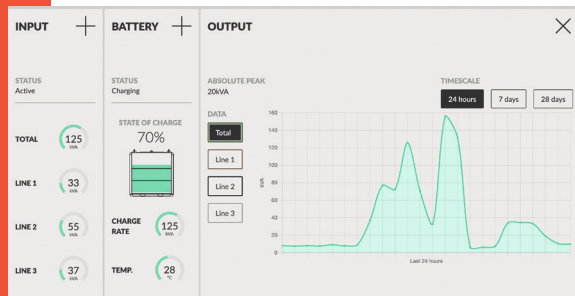
## AUTOMATION

Two way cloud-configurable controls, data visualisation and analysis, GPS tracking, fleet management, user identity management and product performance monitoring.



## CONTROL PANEL

Industrial-grade rugged touch screen HMI with configurable presets, data visualisation and logs.





Let's stay in touch  
**@instagridpower**



**instagrid.co**