

 Instagrid

ONE



Construction

Portable energy reinvented

Introducing a portable power supply that delivers grid-like performance with a rated power output of 3,600 W, a peak power output of 18,000 W, and a truly lightweight design.

We bring electricity with zero local emissions anywhere you might need it, making work easier and more efficient. Enjoy silent uninterrupted power on site without the limitations and frustrations of conventional generators.

- Power even your most demanding tools
- Suitable for use indoors or outdoors in all weather conditions (IP 54 rating)
- Minimise trailing cables and reduce trip hazards
- Can be carried in one hand (20 kg)
- Eliminate noise pollution and local emissions





“We were very impressed by the instagrid product. We don’t need to rely anymore on outside personnel and coordinate the details with them beforehand. We can just show up and start to work.”

Steinmetz Schöpfung GmbH
Restoration Professional
(original quote in German)

This is Instagrid ONE

- Delivers power equivalent to 16 A / 230 V mains power
- Use any AC electrical equipment with a suitable plug
- Fast recharging from a standard 230 V supply in under 3 hours

Technical Specifications

Parameter	Value
Mode of operation: Discharging	
Output voltage	230 V AC / 50 Hz
Rated output power	3.6 kW (16 A)
150% overload (> 500 seconds)	5.4 kW (24 A)
200% overload (> 50 seconds)	7.2 kW (32 A)
250% overload (> 10 seconds)	9.0 kW (40 A)
Peak power	18.0 kW (80 A)
Maximum short-circuit current	300 A
Maximum operating time (idle)	150 h
Line protection	16 A – equivalent to B16
Operating temperature	- 20 °C up to 60 °C





Parameter	Value
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Mode of operation: Charging

Input voltage	240 V AC / 50 Hz
Rated power	1.0 kW (4 A)
Charge duration	< 3 h up to 100%
Charging temperature	0 °C to 45 °C

General

Rated battery capacity	2.1 kWh
Weight	20 kg
Dimensions	420 x 210 x 420 mm
IP Class	IP 54
Protection class	Class II / double insulated
Noise emission	< 10 dB(A)
Storage (switched off)	> 3 years

Electrical Connections

Output socket	CEE 7/3 Socket (16 A)
Output socket	Neutrik powerCON TRUE1 TOP®
Input charging socket	Neutrik powerCON TRUE1 TOP®
Input fuse	T5A L 250V

Power your world Construction



Cut-off Saw
2,700 W

~38 cuts on cast iron pipe
Ø 110 mm



Construction Table Saw
3,000 W

~ 4,100 cuts
50 x 100 mm lumber



Breaker
2,200 W

~ 7.5 t of concrete
slabs demolished
⇅ 150 mm



Diamond Core Drill
3,300 W

~ 32 holes in concrete
Ø 150 mm core drill bit
⇅ 150 mm deep



Magnet Base Drill
1,400 W

~ 223 holes in steel
Ø 35 mm drill bit
⇅ 10 mm



**Arc Welding
Machine**

Up to 89 electrodes
Ø 2.5 mm



Concrete Mixer
600 W

~ 11.5 t of concrete
180 l barrel



Pressure Washer
3,000 W

~ 60 m² cleaned area



Pure Instant Power. Anywhere.

We've developed the world's most advanced portable power supplies for professionals with challenging energy demands. We replace polluting combustion generators and offer a better, intuitive solution with grid-like performance.

Our award-winning power conversion technology uses a unique architecture of stacked micro-inverters, providing unprecedented power levels with a drastic reduction in size and weight. We enable reliable and efficient access to clean and affordable electricity for anyone, anywhere and anytime.

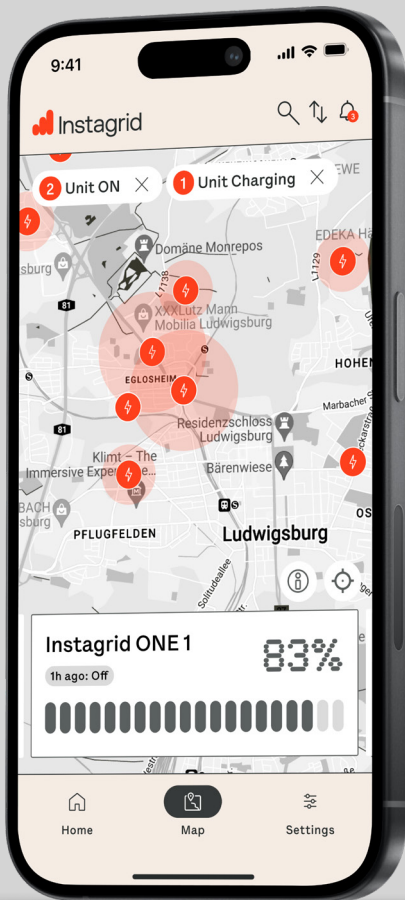
ONE POWERFUL SYSTEM

Instagrid LINK is a smart power distributor that extends the features of your portable power supply and enables new and powerful applications.

- Island mode – combine Instagrid ONE units for up to 3 x power capacity. Hot-swap seamlessly for extended run times without the hassle of generators or extension cords.
- Continuous power source – set up a mission-critical power supply with no interruptions.
- Power up to three devices with RCD-protection without noise or exhaust fumes throughout the whole working day.







Location

Monitor the real-time location of your Instagrid product(s) to keep track of them and to prevent theft.



In-depth unit information

Monitor run-time, state of charge, temperature, and location of Instagrid product(s).

Fleet Management

Fully-connected experience to enhance convenience, data accessibility and safety.



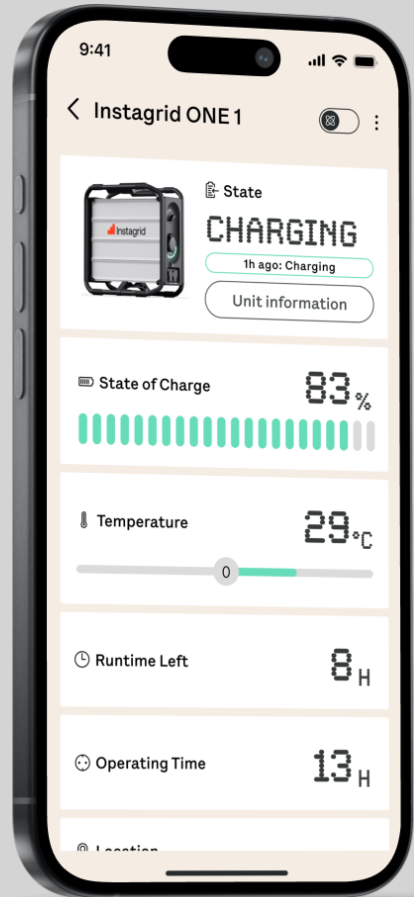
Quick overview

The status of all your Instagrid products at a glance.



Statistics

Aggregated data about your fleet. Keep track of your energy consumption and sustainability metrics.





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