

 Instagrid

ONE
LINK
LINK MAX



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



“Instagrid’s portable battery-based power pack provides a viable alternative to small, portable generators, eliminating a reliance of fossil fuels and spill kits, whilst providing a silent and emission-free solution to smaller power loads.”

Balfour Beatty

International infrastructure group

Power your world Construction



Breaker
2,200 W
~ 7.5 t of concrete
slabs demolished
↓ 150 mm



**Arc welding
machine, 3,000 W**
Up to 89 electrodes
Ø 2.5 mm



Cut-off saw
2,700 W
~ 38 cuts on cast iron pipe
Ø 110 mm



Diamond core drill
3,200 W
~ 10 holes in concrete
Ø 150 mm core drill bit
↓ 150 mm deep



Cement mixer
600 W
~ 11.5 t of concrete
180 l barrel



Construction table saw
3,000 W
~ 4,100 cuts
50 x 100 mm lumber



Magnet base drill
1,400 W
~ 223 holes in steel
Ø 35 mm drill bit
↓ 10 mm



Pressure washer
3,000 W
~ 60 m² cleaned area



Pure instant power

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.

Trusted by



BOUYGUES

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	3,600 W (16.0 A)
150 % overload / 5,400 W (24 A)	up to 500.0 seconds
200 % overload / 7,200 W (32 A)	up to 50.0 seconds
250 % overload / 9,000 W (40 A)	up to 10.0 seconds
Peak power	18,000 W (80.0 A)
Maximum operating time (idle)	150 h
Line protection	16 A – equivalent to B16
Operating temperature	- 20 °C up to 60 °C



Parameter	Value
Mode of operation: Charging	
Input voltage	100 - 240 V AC / 50 - 60 Hz
Rated power	500 - 1,000 W (4 A)
Charge duration	< 3 h up to 100 %
Charging temperature	0 °C to 45 °C
General	
Rated battery capacity	2,100 Wh
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
Delivery scope	1x Instagrid ONE, 1x charging cable, 1x Neutrik to CEE 3p / 6h adapter cable
Electrical Connections	
Output socket	BS 1363 13 A
Output socket	Neutrik powerCON TRUE1 TOP®
Input charging socket	Neutrik powerCON TRUE1 TOP®
Input fuse	T5A L 250V

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 energy 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.



Set up your own backup system

Connect your Instagrid LINK to the mains power and use one or two Instagrid ONE units together to ensure continuous power in case of a power outage.

If a power outage occurs, Instagrid LINK switches from the mains power to your Instagrid ONE unit in under 20 ms, which ensures that even sensitive devices stay powered without noticeable interruption.

More devices, more flexibility

Instagrid LINK lets you safely power up to three devices with a single Instagrid ONE Unit. Avoid unsafe use of a power strip; Instagrid LINK provides three output sockets, each RCD equipped, and helps protect against electric shock in line with the relevant standards.



Power a diamond core drill, vacuum pump and water pump simultaneously.

Power your world Construction



**Arc welding
machine, 3,000 W**

Up to 267 electrodes
Ø 2.5 mm



**Cut-off saw
2,700 W**

~ 114 cuts on cast iron pipe
Ø 110 mm



Diamond core drill

3,200 W

~ 30 holes in concrete
Ø 150 mm
↓ 150 mm deep



Breaker

2,200 W

~ 22.5 t of concrete
slabs demolished
↓ 150 mm

3x

Tripled runtime in
comparison to a single
Instagrid ONE

Instagrid LINK allows you to connect three Instagrid ONE units to reach the above listed runtimes.

The unit switches seamlessly from the discharged Instagrid ONE to the next available unit. By “hot swapping” discharged units with charged ones you can even achieve effectively unlimited mobile power.



Technical Specifications

Parameter	Value
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Operation

Output voltage	230 V AC / 50 Hz
Output current	16 A
Switching time	< 20 ms

Protection

Personal safety device	3 x 1P+N RCD type A, 30 mA
Line protection	1P 16A (tripping characteristic C)

General Information

Weight	4.5 kg
IP Class	IP54
Protection class	Class II / double insulated
Operating temperature	- 15 °C to 40 °C

Connections

Output socket	3 x Neutrik powerCON TRUE1 TOP®
Output socket	3 x CEE (IEC 60309) 240 V / 16 A / 3P 6h
Delivery scope	1x LINK, 1x connection cable (Neutrik to output socket)

THE NEXT LEVEL OF PORTABLE POWER

Instagrid LINK MAX is an accessory that allows you to combine the power of three Instagrid ONE units to create a 400 V, 3-phase output. Power even more demanding tools while enjoying all the benefits and convenience of Instagrid portable power.

- Exceptional portability – Combined with Instagrid ONE, Instagrid LINK MAX is the world's most portable 400 V power solution*. Each part of the solution can be carried individually by hand without additional machinery
- Unmatched peak power – The Instagrid LINK MAX solution provides peak power of up to 54 kW to start highly demanding equipment effortlessly
- Simple plug and play experience – Set up your 400 V, 3-phase solution quicker and easier than ever

* Whereas competing products weigh at least 78 kg, the total weight of 3 x Instagrid ONE + 1 x Instagrid LINK MAX is 65 kg. The individual Instagrid ONE units each weigh only 20 kg, and the Instagrid LINK MAX unit only 5 kg, meaning that each part of the setup can be carried in one hand.

400 V



More power, new applications

Connect three Instagrid ONE units for a nominal output power of 11 kW and an output voltage of 400 V. This allows you to power three phase tools including high frequency systems anywhere on your jobsite while still having the flexibility of the Instagrid ONE unit as an independent 230 V power supply.

- Easier and quicker welding in off-grid locations
- Power a core drill in difficult-to-reach areas.
- Cutting concrete with ring saws or concrete chain saws is possible without the need to run dangerously long extension cords across the jobsite

Work with 3-phase 400 V tools wherever you need. You can set up the entire solution by yourself.



Power your world Construction



Construction table saw
5,200 W
450 mm blade
~ 1,800 cuts
100 x 100 mm lumber



Wall saw
20,000 W
~ 4 m² cutting surface
in concrete



Diamond core drill
7,500 W
~ 33 holes in concrete
Ø 300 mm core drill bit
↓ 200 mm



Large submersible pump, 5,300 W
~ 2,400 l/min
~ 192,200 l
80 min



Arc welding machine
Up to 29 electrodes
Ø 5 mm
at 235 A





Technical specifications

Parameter	Value
Operation	
Nominal output voltage	400 V AC
Frequency	50 Hz
Rated output current	16 A
Rated output power	11,000 W
Peak power	54,000 W
Protection	
Phase guard	Phase monitoring device (PMD)
Insulation monitor	Insulation monitoring device (IMD)
Circuit breaker	1x 4-pole C16
General information	
Weight	5.1 kg
Size	391 x 320 x 140 mm
IP class	IP 54
Protection class	Class I with Class II construction
Ambient temperature	- 20 °C to 55 °C
Receptacles	
Input receptacles	3x Neutrik powerCON TRUE1 TOP® - NAC3FPX 3x Neutrik powerCON TRUE1 TOP® - NAC3MPX
Output receptacle	1x CEE 5-pole 6h 16 A
Delivery scope	1 x Instagrid LINK MAX, 3x dual Neutrik cable

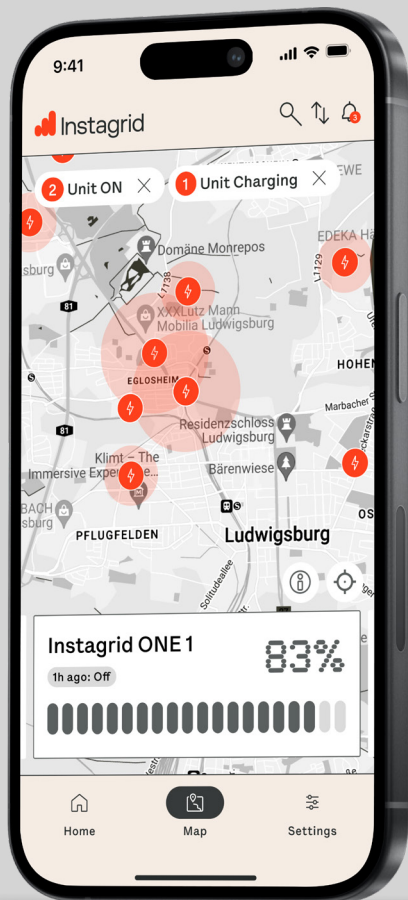


Instagrid app provides a fully-connected experience that enhances convenience, data accessibility, security, and fleet management for your Instagrid products.

- Keep your Instagrid units up to date with the latest software and feature releases via Bluetooth updates.
- Monitor your entire fleet and access detailed, real-time unit information.
- Use geotracking to manage your fleet across different locations and protect against theft.

Scan & download the Instagrid app





**Instagrid
app**



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.



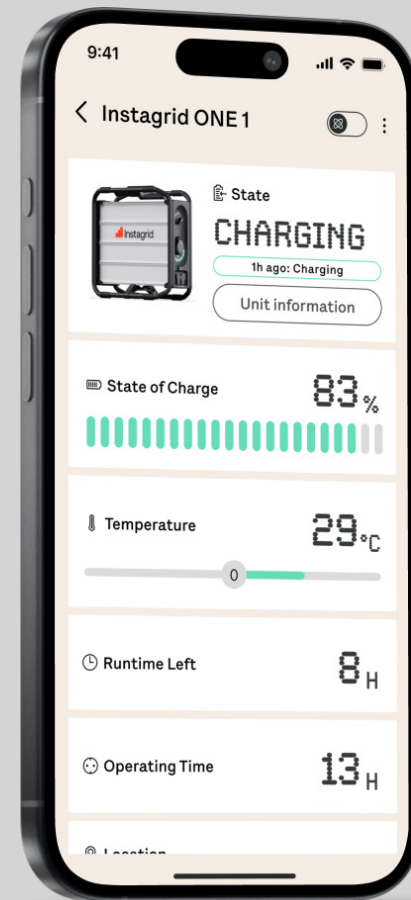
Quick overview

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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