



Perfect arc stability without a power connection

Complete focus on the

welding job

Whether you're working on exposed installations and construction sites, in the great outdoors, or in an open field: These and many other situations pose a particular challenge for welding specialists. Responsibility is literally in their hands. What is more, conventional welding solutions quickly reach their limits here. Complex grid leads often have to be laid to the welding point or a heavy and noisy generator used both very costly and timeconsuming measures.

With the Ignis

Battery

a power connection is not required. With complete independence from the energy supply, you can rely on a stable and high-performance welding process for both manual arc and TIG welding thanks to innovative battery technology, leaving you to focus fully on the task at hand.



complete inclependence

for manual arc and

TIG welding

Conditions during welding often leave much to be desired.

But things become especially difficult when the weld itself is challenging.



Your



Compact, robust, reliable



Compact design and robust construction paired with innovative welding and battery technology: These properties come together to make the Ignis Battery a flexible and mobile welding all-rounder. Use it indoors or outdoors, in any weather, with or without a power connection.

The Ignis Battery allows you to unleash your full welding potential, even with challenging welding tasks.

Ignis Battery – the advantages for you



For further information, visit: www.fronius.com/ignisbattery



Equipped

for all

tasl

Perfect ignition properties

HotStart

To make it easier to ignite the electrode, the current is increased for a fraction of a second during ignition on the welding machine. The HotStart function was specially developed for welding with rutile and cellulose electrodes.

SoftStart

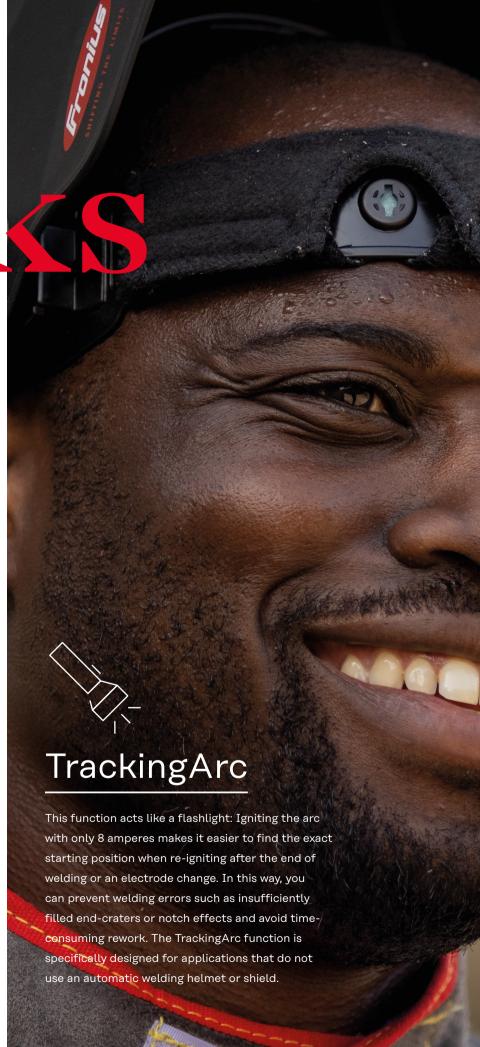
This function ensures a stable arc at the start of welding and has been specially developed for basic electrodes that weld at a low welding current.

Anti-stick

Prevents electrode burn-out: If a short circuit occurs, which is equivalent to the electrode sticking during manual arc welding, the welding machine is switched off immediately.

MMA Pulse

Beautiful welds and even faster welding thanks to the MMA pulse function— especially in restricted positions.





Impressive features

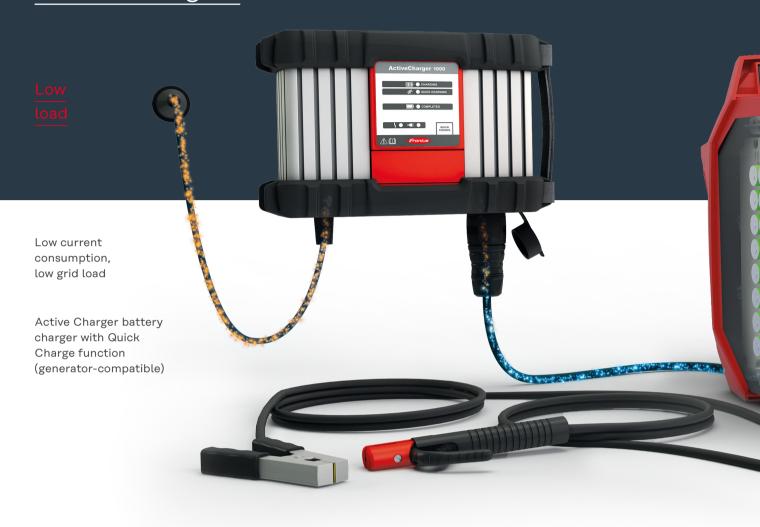
Features/properties	Ignis B 150
HotStart	
SoftStart	✓
Anti-stick	✓
MMA Pulse	✓
TIG function	✓
TAC tacking function (TIG)	✓
TIG Comfort Stop	✓
TIG Pulse	✓
TIG Multi Connector (TMC)	✓
Remote control operation	✓
Time Shutdown (0.5–4 h)	✓
TrackingArc	✓





Welding electronics meets intelligent

battery

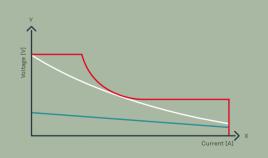


Lithium-ion technology

High intrinsic safety, no memory effect, long service life and low self-discharge: Impressive features from the high-performance lithium-ion battery based on iron phosphate (LiFePO4). With 750 Wh and 84 battery cells, its strengths are particularly evident in high-power applications. Compliance with strict safety standards is guaranteed at all times.

AccuBoost technology

Increased arc stability and arc-force dynamic for easy ignition and no arc break. The integrated high-performance battery delivers above-average short-circuit currents for short periods during welding and reliably minimizes sticking of the electrode.



Increased power range with the Ignis Battery compared to conventional inverter technology

- Characteristic curve of AccuBoost Technology
- · Characteristic curve of the resonant inverter
- Characteristic curve of a conventional inverter

technology



This perfect combination enables a high welding voltage with constant output and prevents annoying arc breaks.

Ready for use again in no time

Quick battery charging:

40 min – 80% power 60 min – 100% power

Normal charging:

55 min – 80% power 85 min – 100% power

When you're in a hurry: Two electrodes can be welded after only 5 minutes of charging time.

High-performance lithium-ion battery (750 Wh)

Battery mode

Perfect welds in any position

Welding energy is drawn exclusively from the battery. One battery charge is sufficient for around thirty one 2.5 mm or twelve 3.25 mm electrodes. Alternatively, 30 minutes of continuous TIG welding can be performed (at 100 A).

Hybrid mode – charging and welding simultaneously

Generator-powered operation

Facilitates mobile applications and saves investment costs:
Due to the low current consumption, a much smaller generator (2 kVA) can be used than with grid-connected devices – without compromising on welding power or arc quality.

Mains operation

Full output power of 150 A including with a 120 V grid: The battery's integrated power reserve guarantees a constant arc even in the event of mains voltage fluctuations and prevents the mains fuse from tripping in case of power surges.





Perfect welds in any position

The Ignis Battery allows you to unleash your full welding potential, because in addition to manual arc welding, mobile TIG welding also becomes a reality.

One battery charge is sufficient for up to 30 minutes of continuous operation (at 100 A). This is usually sufficient for the whole assembly operation.

TIG Multi Connector (TMC)

One solution for everything: This universal connection for system components, such as welding torches with special functions (Up/Down, potentiometers) or remote controls, gives the user cross-product advantages. The TIG Multi Connector is integrated into the Ignis Battery as standard.

Multilock

Simpler, more flexible welding: The Multilock System offers a variety of different and interchangeable torch bodies in various lengths and angles.

TIG Pulse

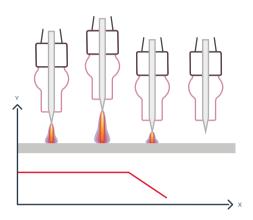
This function (up to 990 Hz) enables precise control over the weld pool and ensures excellent seam jointing. The pulsed arc makes it easier to work with very thin materials, because the temperature is slightly lower in the phases with less current.

TAC tacking function

For tacking, one point is enough: The pulsed arc sets the two weld pools in motion, making them "jump together" in next to no time, forming one single weld pool. The TAC function is also very useful when welding light-gage sheets without filler metal.

TIG Comfort Stop

Prevents annoying arc break at the end of welding: Once the welding process is complete, the welding current switches off automatically after a specific change in the arc length. This ensures improved welding results in the area of the end-crater because the gas shield is also maintained.





Welding

made easy

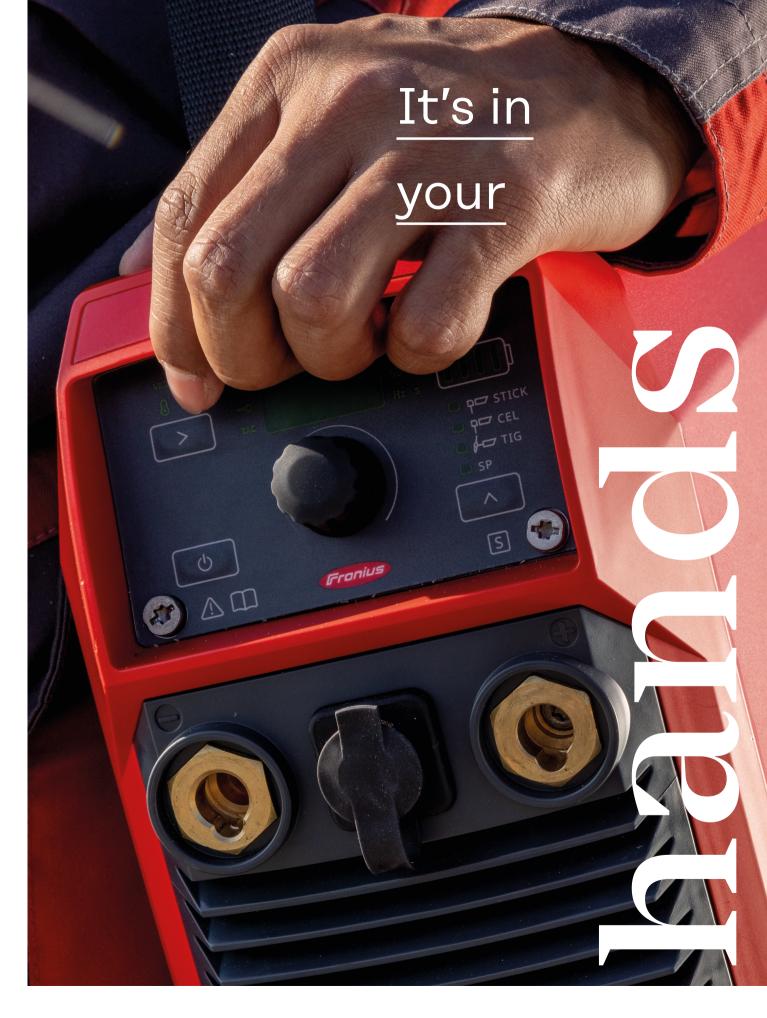


Having a handle on everything

The Ignis Battery's new interface is clear and easy to operate — even when wearing gloves. You can navigate through the entire menu with just a few presses or turns and keep the main parameters permanently in view.

- Power button
- 2 Carry strap for easy transport
- Rotary pushbutton
 easy to operate even
 with gloves
- Settings: arc-force dynamic, welding current,
 HotStart/SoftStart,
 TIG pulsing
- Battery status display always in view
- Welding process
 adjustment knob
 MMA (stick, cellulose), TIG
- Remote control connection
- Function button
 Arc-force dynamic,
 welding current,
 HotStart, SoftStart,
 pulse function
- 9 Raised feet
 3.5 cm ground
 clearance
- Sturdy housing
 IP23 protection







For today, tomorrow,

and beyond



We believe in sustainability

Long service life, reparable, and recyclable: Like all Fronius products, the Ignis Battery is sustainably designed and produced. A high-quality stainless steel filter inside the device, robust housing, and 3.5 cm ground clearance guarantee the welding machine will have a long service life.



The Ignis Battery allows you to weld very quietly in battery mode, especially compared with larger generator-powered devices. If a generator is required for longer welding jobs, a compact 2 kVA device is sufficient.



The energy stays exactly where it is needed: In addition to voltage monitoring, the innovative Battery Management System also watches over the charging process and ensures protection against overcharging and deep discharge. The optionally adjustable automatic time shutdown (0.5–4 hrs) ensures that valuable energy is not wasted including in standby mode.





For further information, visit: www.fronius.com/ignisbattery



Technical data

ominal voltage of rechargeable battery Charging current during normal charge Charging current during quick charge	Ignis B 150 50.4 V	
Charging current during normal charge	<u> </u>	
	10 A	
Charging current during quick charge	10 A	
	18 A	
Battery capacity	750 Wh	
Battery type	Lithium ion	
Welding current range Electrode DC TIG DC	10 – 150 A 3 – 150 A	
velding current in hybrid mode manual arc welding at 40°C (104°F)	12% duty cycle, 150 A 25% duty cycle, 100 A 100% duty cycle, 40 A	
Welding current in hybrid mode TIG welding at 40°C (104°F)	25% duty cycle, 150 A 50% duty cycle, 100 A 100% duty cycle, 65 A	
Open circuit voltage	91 V	
Reduced open circuit voltage	14 V	
Protection class	IP 23	
Type of cooling	AF	
Mark of conformity	CE, S	
Dimensions l/w/h	Dimensions I/w/h 435 x 160 x 310 mm	
Weight (without charger)	approx. 12 kg	

	Active Charger 1000/230	Active Charger 1000/120
Mains voltage	~ 230 V AC, ±15%	~ 120 V AC, ±15%
Mains frequency	50/60 Hz	
Mains current	max. 9.5 A eff.	max. 15 A eff.
Mains fuse	max. 16 A	max. 20 A
Efficiency	max. 95%	max. 93.5%
Effective power	max. 1100 W	
Power consumption (standby)	max. 2.1 W	max. 1.6 W
Safety class	I (with ground conductor)	
Max. approved grid impedance at the interface (PCC) with the public grid	None	
EMC emission class	А	
Mark of conformity	CE	
Output voltage range	30-58 V DC	
Output current	max. 18 A DC	
Output power	max. 1040 W	max. 1000 W
Cooling	Convection and fan	
Dimensions l/w/h	270 x 168 x 100 mm	
Weight (without cable)	approx. 2 kg	
Protection class	IP43S	
Over-voltage category: Device is only permitted to be operated on grids that are grounded at the neutral point	П	

Extend your warranty





Register your welding machine

to extend your warranty. https://www.fronius.com/pw/product-registration



about the Ignis Battery can be found here: https://www.fronius.com/ignisbattery

Fronius Canada Ltd.

2875 Argentia Road, Units 3, 4, 5 & 6 Mississauga, ON L5N 8G6 Canada T +1 905 288-21 00 F +1 905 288-21 01 sales.canada@fronius.com www.fronius.ca

Fronius USA LLC

6797 Fronius Drive Portage, IN 46368 USA T +1 877 FRONIUS sales.usa@fronius.com www.fronius-usa.com

Fronius UK Limited

Maidstone Road, Kingston Milton Keynes, MK10 OBD United Kingdom T +44 1908 512 300 F +44 1908 512 329 info-uk@fronius.com www.fronius.co.uk

Fronius International GmbH

Froniusplatz 1 4600 Wels Austria T +43 7242 241-0 F +43 7242 241-95 39 40 sales@fronius.com www.fronius.com