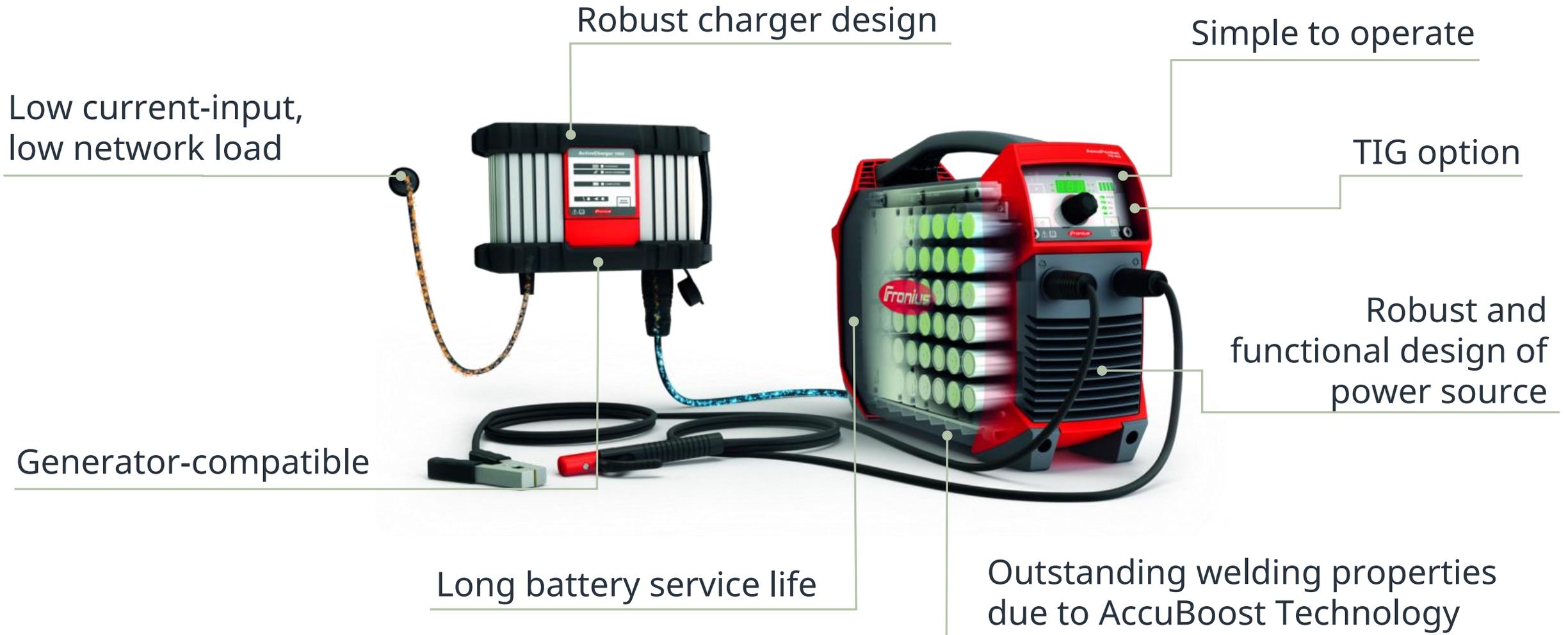




AccuPocket 150/400



AccuPocket Highlights



Target Group

- Maintenance, repair and assembly of infrastructure
- Construction industry
- Metalworking industry
- Small and medium-sized companies in General Industry



AccuPocket 150/400

The perfect companion on any construction site

- Small, light and portable – 11 kg (24.25 lb incl. battery)
- No power connection required
 - Up to 6 pieces 3.25 mm (1/8") electrodes or 18 pieces 2.5 mm (3/32") electrodes with one battery charge
- For „larger“ welding jobs a 2kVA generator is sufficient
- Optimal ignition characteristics and welding properties thanks to AccuBoost Technology
- Modern and functional design
 - Robust construction
 - Integrated dust filter
 - Ergonomically shaped handle
 - Plastic base
 - Award-winning product



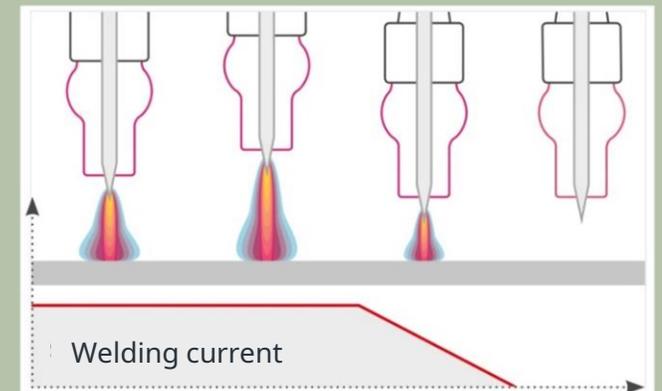
AccuPocket 150/400 TIG

With the AccuPocket TIG mobile TIG welding is now reality

- TIG welding with touchdown ignition and defined end of welding
- One battery charge allows up to 17 minutes of continuous operation at full power (150 A)
- Features
 - Pulse mode
 - TAC
 - 2-step/4-step switchover
 - TIG comfort stop
 - A defined distance movement of the welding torch to the workpiece automatically lowers the welding current
 - Up/Down welding torches can be used
 - Integral gas solenoid valve



TIG Comfort Stop



AccuPocket Variants



AccuPocket Machine

Without charger 4,075,200

System packages

120V/B, CAN/US 4,075,200,861

Sets

120V/Set/B, CAN/US 4,075,200,851

AccuPocket TIG

Machine

Without charger 4,075,201

System packages

120V/B, CAN/US 4,075,201,861

Sets

120V/Set/B, CAN/US 4,075,201,851



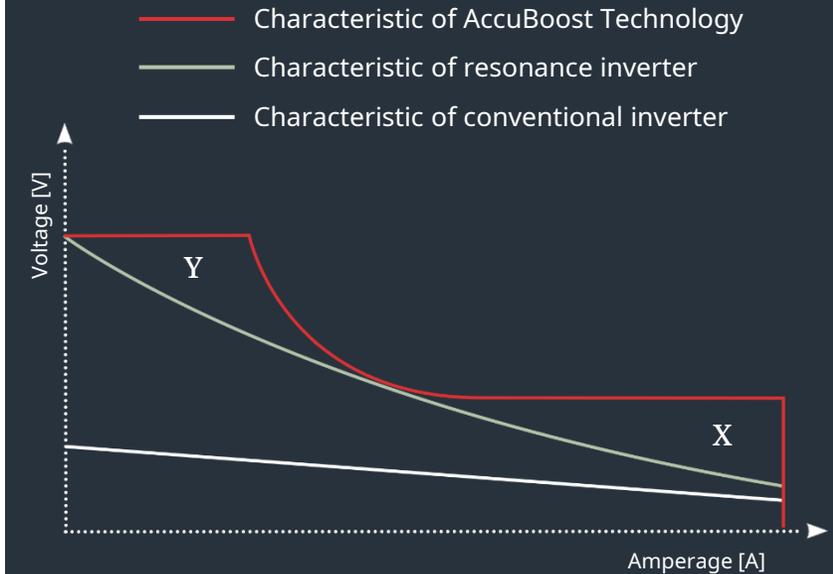
ActiveCharger 120V

B, CAN/US 4,010,342

AccuBoost Technology



- Noticeable improvement in ignition characteristics, arc stability and arc dynamics
- High-performance battery provides exceptionally high short circuit currents for short periods so the **electrode does not stick (Y)**
- High welding voltage achieved by a harmonious balance between the battery and welding electronics resulting in **no arc break (X)**

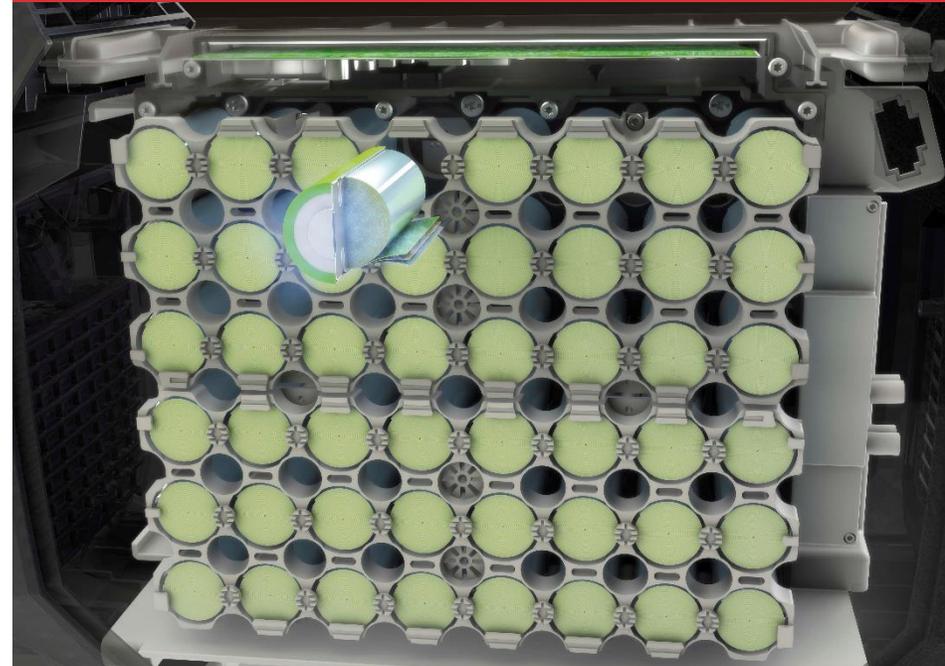


Enhanced power range achieved with the AccuPocket compared to conventional inverter technology

Lithium-Ion-Battery I

High power battery guarantees highest safety level

- Capacity of 400 Wh – this corresponds to 160 cm (63") weld-seam in 17 minutes' welding time
- The latest generation of batteries is small, light and highly efficient
- Suitable for high-power applications
- Performance characteristics
 - High intrinsic safety
 - No memory effect
 - Long service life
 - Low level of self discharge



High performance lithium ion phosphate battery (LiFePO₄)

Lithium-Ion-Battery II



Safety features

- Voltage monitoring of all battery cells
- Cell balancing during the charging process
- Monitoring of the charging process
- Short-circuit-proof
- Protection against overcharging, deep discharge and overheating



BMS board

- Battery Management System
- Monitors all cells to ensure uniform charging and discharging
- Guarantees even voltage and temperature across all battery cells
- Safety shut down



Fixed battery pack

- High toughness for portable use
- Perfect transfer of high welding currents
- No exposed battery terminal connections
- Optimal cooling system using additional fans
- Easy to service



Battery pack technical data

- Rated voltage: 52.8 V comes under the definition of SELV (Safety Extra-Low Voltage) in IEC60974-1
- Nominal capacity: 7.5 Ah
- Nominal energy: 396 Wh
- Weight: 4.5 kg

Stick Features

HotStart

- Optimal ignition behavior with cellulose and rutile electrodes

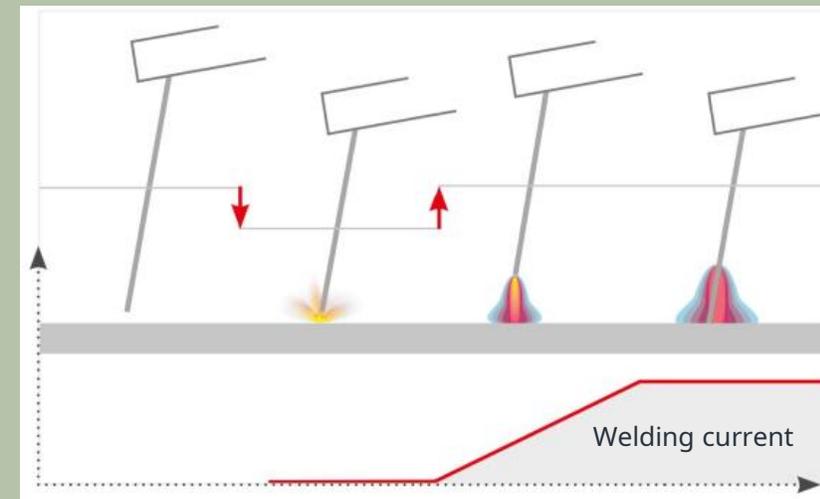
SoftStart

- Stable arc for basic electrodes that ignite at low welding currents

Dynamic continuously adjustable

- Brief increase of amperage prevents solidifying of the weld and a prolonged short-circuit of the arc

Softstart



TIG Features

TAC

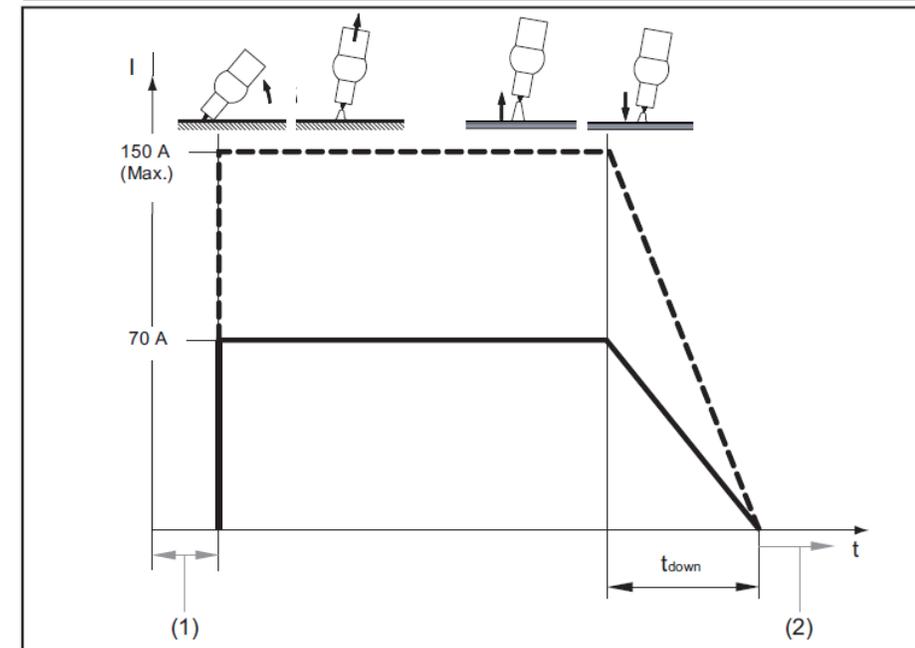
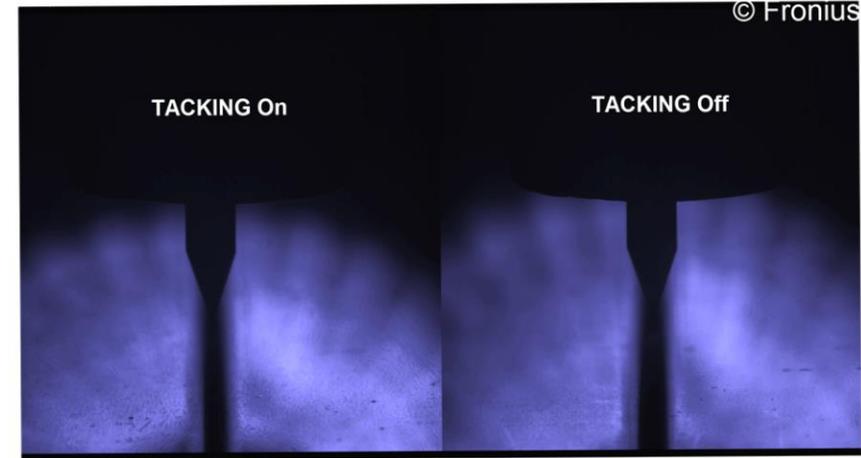
- Easy tacking of plates without extra filler

TIG Pulse

- Up to 10 Hz Pulse frequency for better heat control

TIG Comfort Stop

- Stop the arc without manipulating the trigger



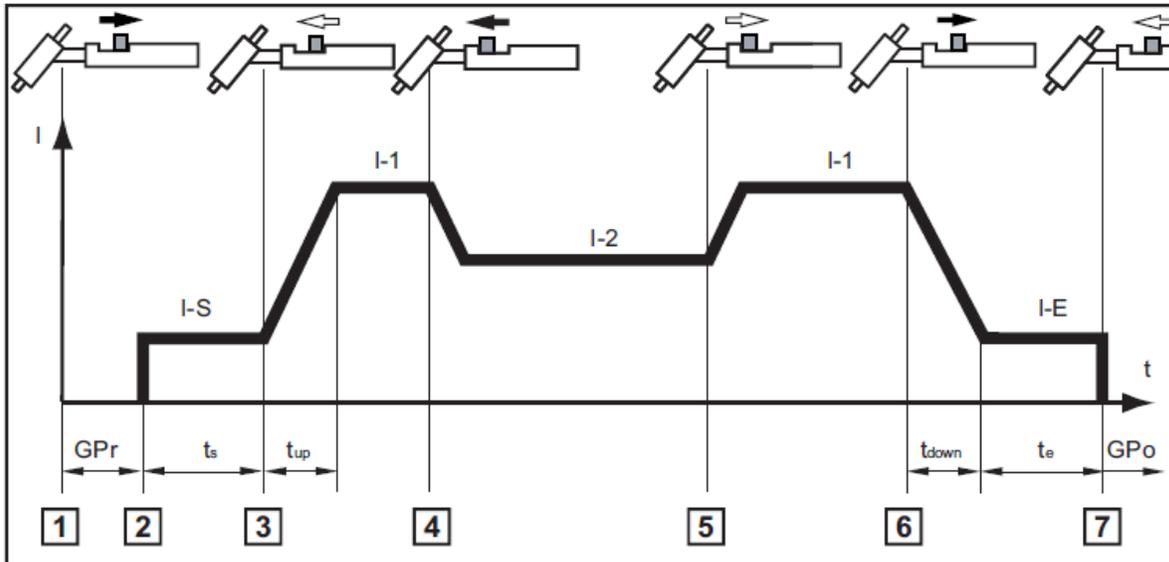
Welding current and gas flow curve with TIG Comfort Stop function activated

- (1) Gas pre-flow
- (2) Gas post-flow

TIG Torch Trigger



- TIG Multi Connector
- Arc & Amperage Control
- New 8-pin Torch Connector for TIG Version
- Compatible with existing U/D Torches
- Contacts get protected due to locking mechanism
- IP 67 in locked condition



4-step mode with intermediate lowering I-2

Customer Benefits



Easy to use

- Control knob for simple operation
- Continuous adjustment of all parameters
- Battery status directly visible on the device



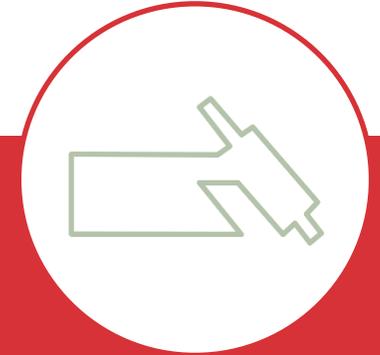
Best welding properties

- AccuBoost Technology
- Visible improvements of ignition characteristics, arc stability and arc dynamics
- Best welding properties independent of the battery status or hybrid mode with mains cable



Robust & functional power source design

- Integrated battery
- Recessed user interface
- Raised base
- Metal and plastic housing
- Handle and belt for transportation
- Welding cable can be coiled up
- Filter gird can be cleaned without using any tools



TIG option

- Special TIG functions with AccuPocket TIG:
- Supports Up/Down welding torch
 - Integral gas solenoid valve
 - TAC function
 - TIG Comfort Stop
 - Additional torch connector

ActiveCharger 1000

Intelligent charging meets welding technology

- Newly developed charger for the AccuPocket high-performance batteries
- Compact, but packed with power
 - Active Inverter Technology
 - Output power of over 1000 watts
 - Weighing less than 2 kg (4.41 lb)
- Charge and weld
 - Charging power increases after welding has started
 - Battery is protected
 - Duty cycle of power source increases
- Operating modes
 - Normal charging: 45 min.
 - Rapid charging: 30 min.
 - Conservation charging



Product Benefits ActiveCharger



Low current-input, low network load

- Lower network loading → fuse does not trip
- Battery compensates for fluctuating grid voltages and voltage drops → arc is always stable



Robust charger design

- Protection class IP43S
- Rubber coating around the edges
- Covered connections protect from dirt



Generator compatibility

- Low current-input
- Much smaller generators (2kVA) can be used



Long battery service life

- Optimum battery service life due to:
- Cell balancing during the charging process
 - Protection against overcharging and deep discharge
 - Protection against over and under temperature
 - Optimal charging characteristics

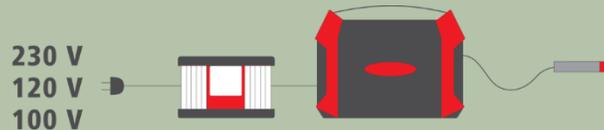
Operating Modes

Battery mode



- Welding energy is drawn only from the battery
- For repair weld's in inaccessible locations (without access to mains electricity) and welding in electrically hazardous areas, such as boiler welding, container construction, shipbuilding, ... (no mains cable available)

Hybrid mode



- Charge and weld simultaneously
- Power reserve of the battery guarantees a constant arc (even in the event of mains voltage fluctuations) and prevents the mains fuse from tripping if overvoltages occur
- Full output power of 150A also with 120V power supply

Generator-powered operation



- Much smaller generators (2 kVA) can be used due to the low current-input
- Lower investment costs
- Easier to carry around

Safety

Safely within the permitted standards

- AccuPocket lies beneath the max. peak value of 113 V DC allowed by EN Standard 60974-1
- Increased electrical hazard
 - e.g. boiler and vessel construction
 - Use of AccuPocket in battery mode is possible without any problems
- Advantages
 - Reduced electrical hazard for users
 - No expensive, heavy auto-transformers (in battery mode)
 - Eliminates additional hazard sources (e.g. mains cables, connecting cables)
 - Not necessary to use long mains supply leads



AccuPocket Set



Available for standard and TIG variants

Case with transport wheels



Power source
AccuPocket

ActiveCharger

Welding accessories

Technical Data AccuPocket

AccuPocket 150/400

Rated voltage of battery		52.8 V
Charging current	Normal charge	10 A
	Quick charge	18 A
Battery capacity		396 Wh
Battery type		Lithium ion
Welding amperage range	Electrode DC	10 – 140 A
	TIG DC	3 – 150 A
Welding amperage in hybrid mode (MMA welding)		
40 °C (104°F)	18 % duty cycle	140 A
40 °C (104°F)	25 % duty cycle	100 A
40 °C (104°F)	100 % duty cycle	40 A
Welding amperage in hybrid mode (TIG welding)		
40 °C (104°F)	25 % duty cycle	150 A
40 °C (104°F)	50 % duty cycle	100 A
40 °C (104°F)	100 % duty cycle	65 A
Open-circuit voltage		90 V
Reduced open-circuit-voltage		15 V
Protection class		IP23
Marks of conformity		CE, CSA, S
Dimensions	l x b x h	435 x 160 x 310 mm (17.1" x 6.3" x 12.3")
Weight		11 kg (24.25 lb)



Technical Data ActiveCharger

Active Charger	230V	120V	100V
Mains voltage	~ 230 V AC, ± 15%	~ 120 V AC, ± 5%	~ 100-110 V AC, +10% -15%
Mains frequency	50 / 60 Hz		
Mains current	max. 9.5 A eff.	max. 16 A eff.	Max. 15,7 A eff.
Mains fuse protection	max. 16 A	max. 20 A	Max. 16 A
Power efficiency	max. 95%	max. 93,5%	Max. 92%
Effective power	max. 1100 W		Max. 940 W
Power input (stand-by)	max. 2,4 W	max. 1,7 W	max. 1,6 W
Protection category	I (with PE conductor)		
Max. permissible network impedance at interface (PCC) to public mains network	None		
EMC emissions category	A		
Mark of conformity	CE	cTÜVus	CE
Output-voltage range	30 – 58 V DC		
Output current	Max. 18 A DC		
Output power	Max. 1040 W	Max. 1025 W	Max. 840 W
Cooling system	Convection and fans		
Dimensions (l x b x h)	270 x 168 x 100 mm (10.63" x 6.61" x 3.94")		
Weight (without cable)	2 kg (4.41 lb)		
Protection class	IP43S		
Overvoltage category the unit may be run on neutrals earthing networks only	II		



Online Product Registration



Which products?

- TransPocket 150/180
- TransSteel series
- AccuPocket 150
- TransTig 170/210
- iWave190i & 230i



For whom?

Fronius end customer



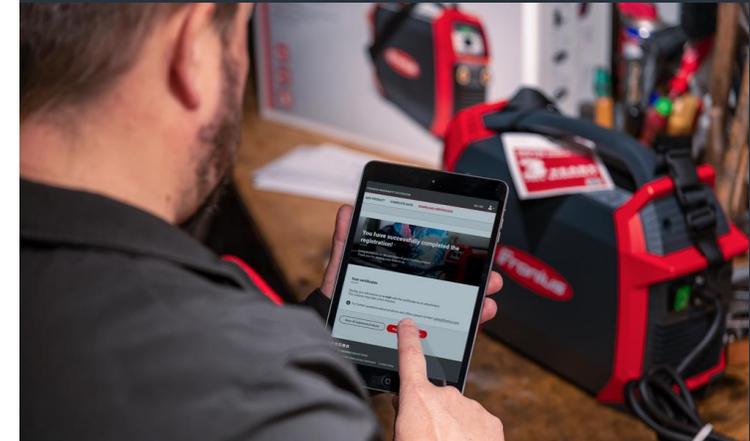
Why?

Free extension of the warranty period to a total of 3 years!



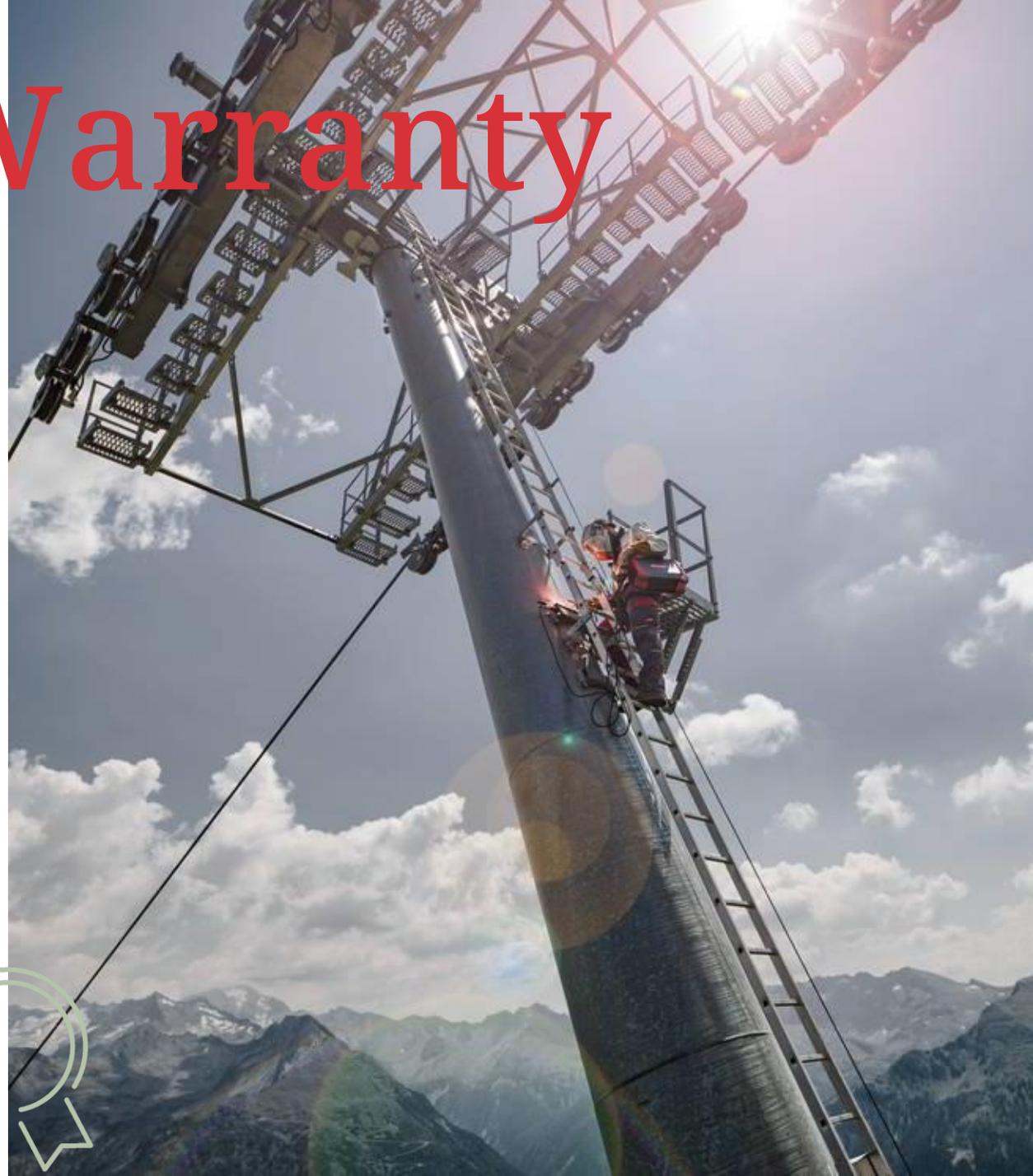
How does it work?

Create an online account and register your serial number

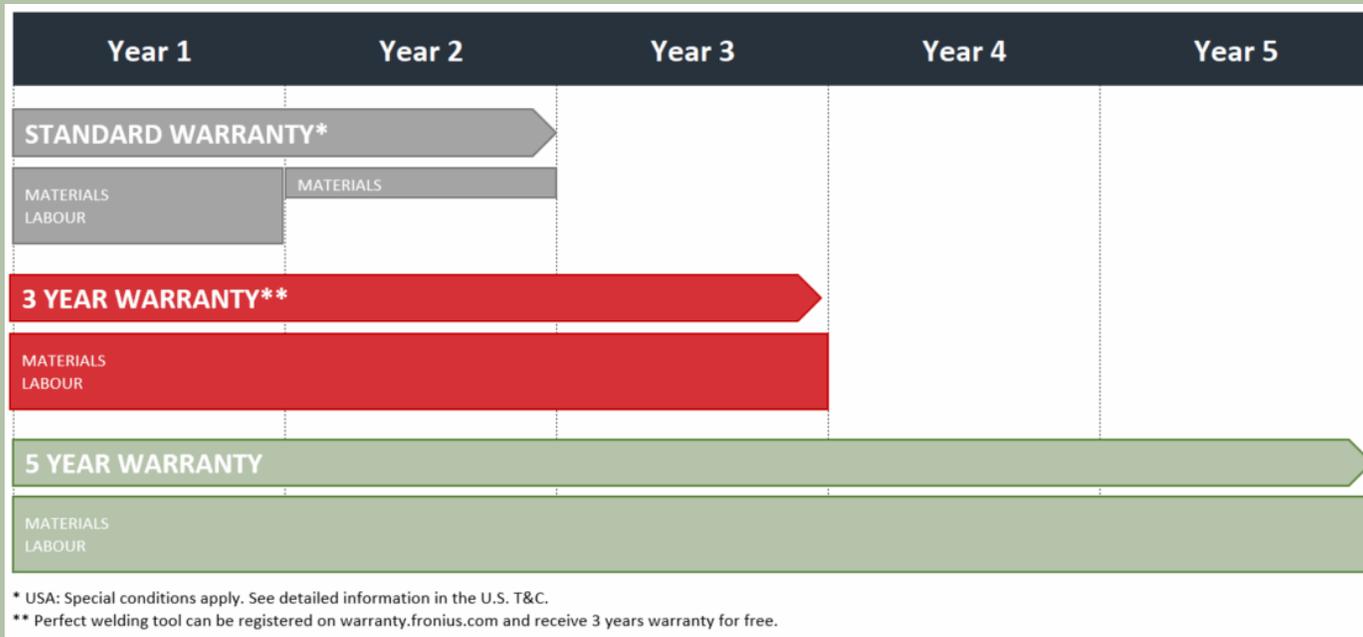
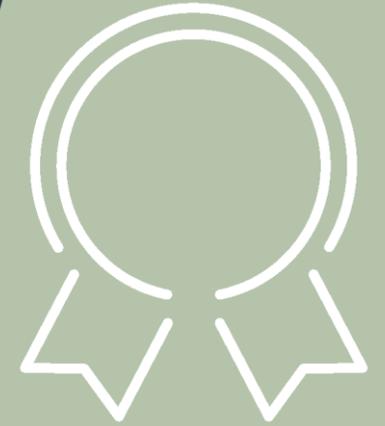


The Fronius Warranty

- The functional promise from Fronius over 5 years
- Decision at the purchase of the product or within in the first year after purchase
- Periodic payment option (annual, quarterly)
- 5 years warranty for the entire system
 - Free battery replacement at 70% remaining capacity
 - Use of original spare parts
 - Professional repair by certified technicians
 - Fronius takes care of the disposal of the batteries



The Fronius Warranty



Full security for 5 years with
item number **41,200,606**

The Fronius Warranty



Warranty extension

The customer receives 5 years full warranty on the complete system (welding system incl. charger). Costs for material, working time and travel time (up to 200km) are covered.



Repair

All repair costs incurred in the course of the warranty are covered by Fronius.



Free battery exchange

If the remaining battery capacity is less than 70%, Fronius will exchange the used battery for a new battery FREE OF CHARGE.



Disposal of removed batteries

Removed batteries are taken back by Fronius and disposed properly.

The Fronius Warranty

- **Premature battery exchange.**

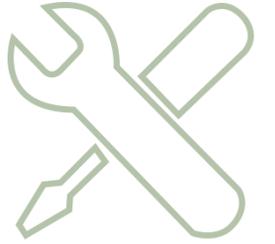
If the customer wants to exchange his battery before the remaining capacity is below 70%, this is possible with the following conditions.

- The battery as well as the expenses in the course of the battery exchange are charged at the currently valid prices using customer conditions.

- **Early exit from the warranty.**

The package covers a defined period of 5 years. An early exit is therefore not possible.

The Fronius Warranty



Why? The advantages ...

- **Full safety for the full time.** For 5 years, the customer can use the welding system without any worries.
- **Extended warranty.** System performance is guaranteed from day 1 - if the remaining capacity is less than 70%, Fronius will replace the battery free of charge.
- **Cost transparency.** The running costs for the welding system over 5 years are known and calculable.

The Fronius Warranty



One time payment

The customer pays the total amount for the guarantee once at the beginning of the term.



The perfect timing

The Fronius warranty can be concluded within in the first year after the device is purchased from your salesperson or at a service appointment.

Application Examples

WHERE should I present
AccuPocket?

WHY should I present
AccuPocket?

Agricultural / Farming



Mining / Yellowgoods



Mining

NO INPUT POWER
REQUIRED



Oil and Gas



Forestry



Ski Resort (snow making)



Plant Construction



NO INPUT POWER
REQUIRED

Railings

NO INPUT POWER
REQUIRED





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