

ACCUPOCKET

Thomas Rott

Fronius International GmbH
Division Welding Technology
Froniusplatz 1
4600 Wels



**WE HAVE THREE DIVISIONS
AND ONE PASSION:
SHIFTING THE LIMITS.**

OPERATING MODES

/ STAND-ALONE



/ HYBRIDE-MODE

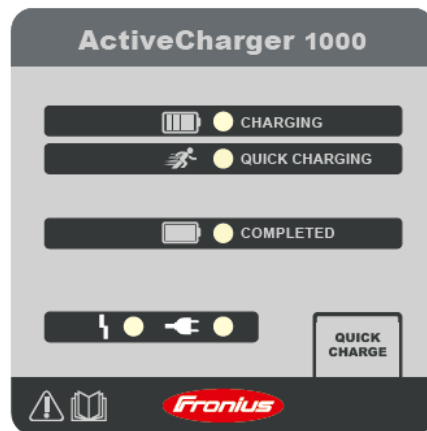


USERINTERFACE



AccuPocket 150/400 TIG

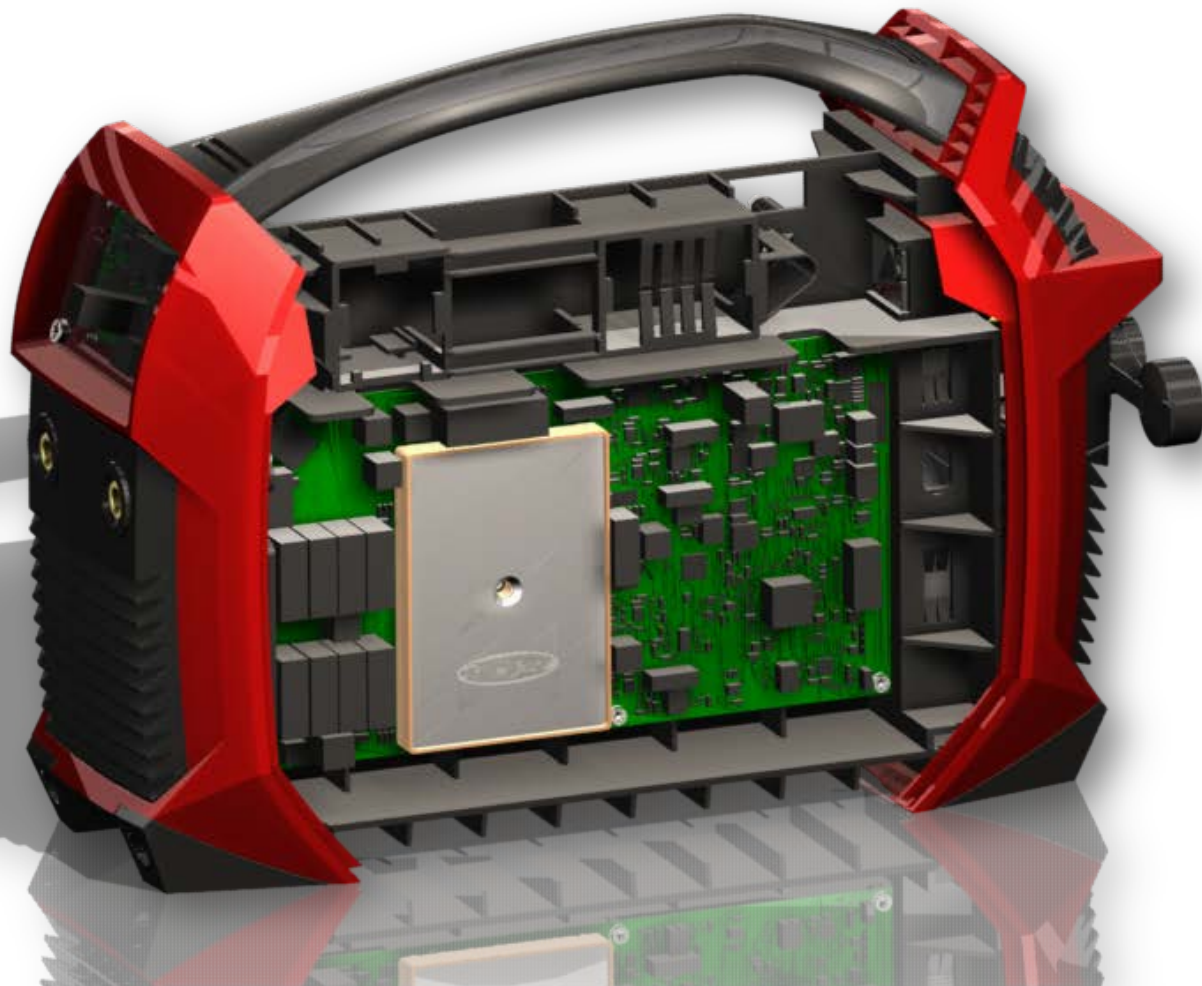
- / Multifunctional Display
- / Turn – Push Button
- / Setup (2nd/ 3rd Level)
- / Error Messaging
- / Parameter Setup



ActiveCharger 1000

- / Speed- and Highspeed Charging
- / Error Display

CONSTRUCTION



TECHNICAL DATA - ACCUPOCKET



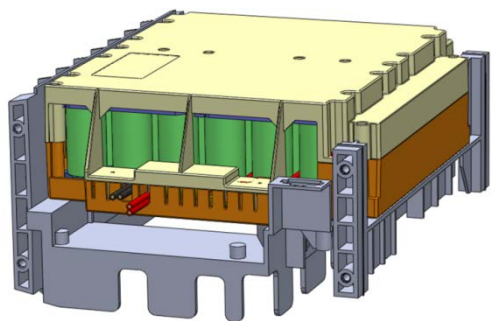
Welding Current	10 – 140A (TIG 150A)
Electrode 2,5mm	appr. 17 pcs.
Electrode 3,25mm	appr. 7 pcs
Operating Temperature	-10°C to 40°C
Storage Temperature	-20°C to 55°C
Weight	< 10 kg
Dimension	420 x 160 x 190 mm
Protection class	IP23

TECHNICAL DATA – ACTIVE CHARGER



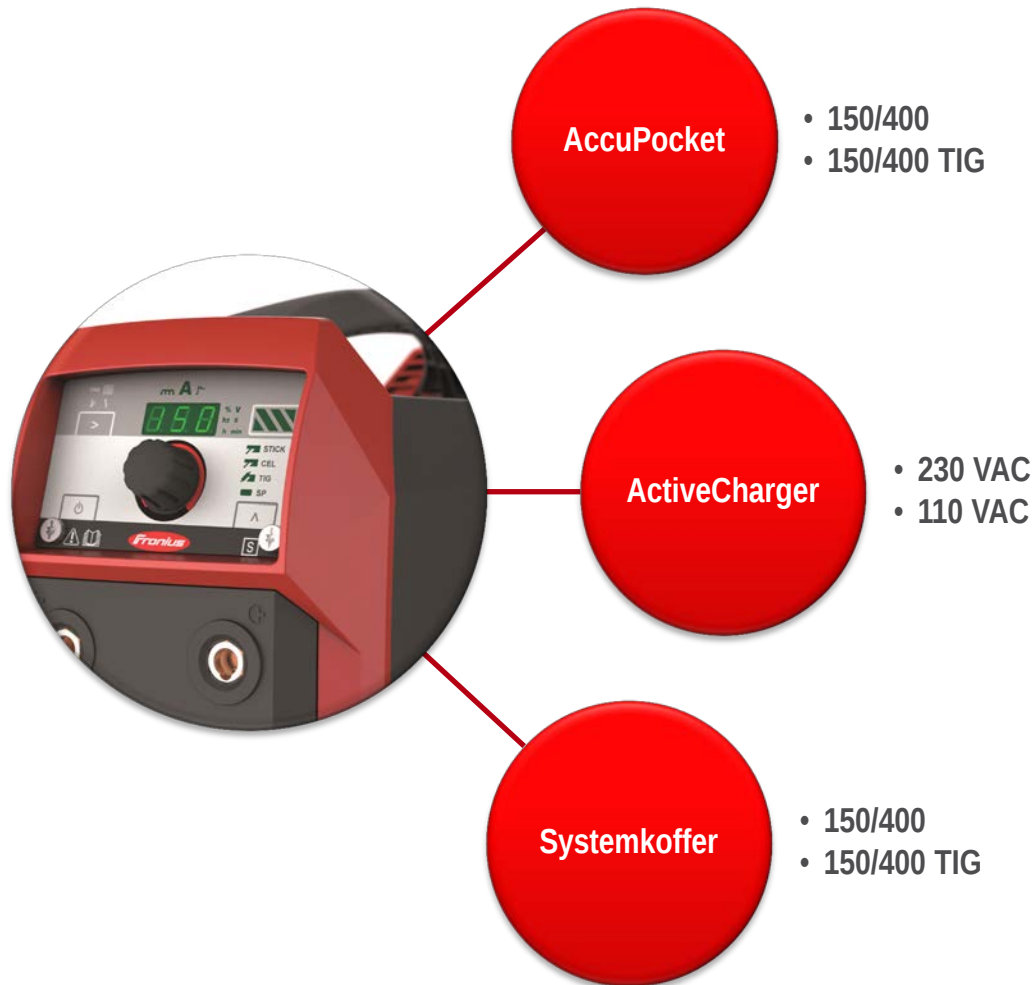
Net current	max. 9A eff. (1.044W)
Supply Voltage	1x110/230VAC (+/- 15%)
Output Voltage	30 – 60 VDC
Output Current	18A @ 60 VDC
Weight	2 kg
Dimension	2770 x 168 x 100 mm
Protection class	IP44
Highspeed charge	90% < 30min
Speed charge	100% < 50min

BATTERY PACK



Categorie	Li-Ion Battery (16S3P)
Voltage	52,8V
Capacity	7,5Ah
Energy	396Wh
Working Temperature	-10°C to +40°C
Storage Temperature	-20°C to +55°C
Weight	4,5Kg

VARIANTS

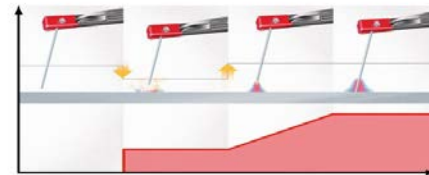
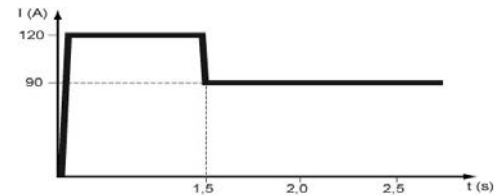


FUNCTIONS

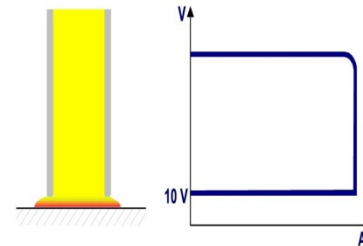
	Basic	TIG
Stick	✓	✓
Stick SP	✓	✓
TIG		✓
TIG Pulse		✓
TIG Comfort Stop		✓
Remote connection		✓
Integrated Gas magnetic valve		✓

FUNCTIONS

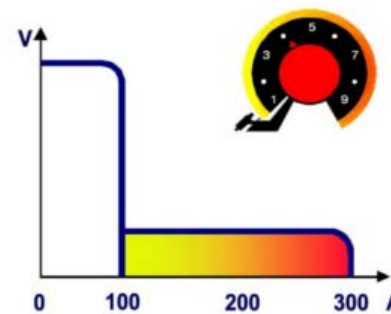
/ Hot and Soft start



/ Anti-Stick



/ Dynamic



MMA – TECHNOLOGY STEPS



Welding Transformer (PRIMUS)

- High Weight and Volume (50Hz)
- Yoke controlled



Thyristor controlled (WTU)

- High Weight and Volume (50Hz)
- Electronic control



Inverter (TransPocket)

- Low Weight and Volume (kHz)
- Fully electronic controlled, very high functionality

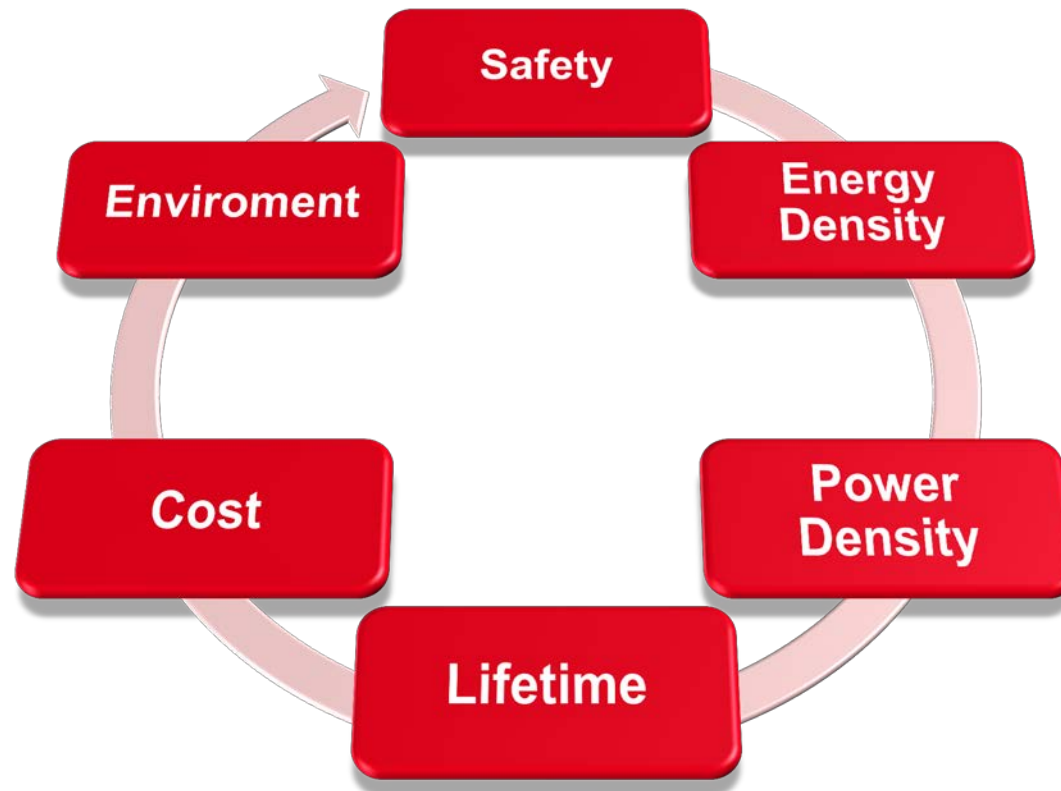


Battery driven Welders (AccuPocket)

- Low weight and volume (only with Li-Ion Technology)
- Digital controlled, very high Functionality

Battery Technology

CRITERIA FOR BATTERIES



LiFe BATTERIES IN COMPARISON

Technology	Lead Acid (Pb)	LiFe (AccuPocket)
Weight at 800 W/kg		 AccuPocket total: 8 kg LiFePO4 Battery: 5 kg
Volume at 800 W/kg		



APPLICATION FOR BATTERY

Power Density W/kg

800 W/kg



High Power:
Compact size



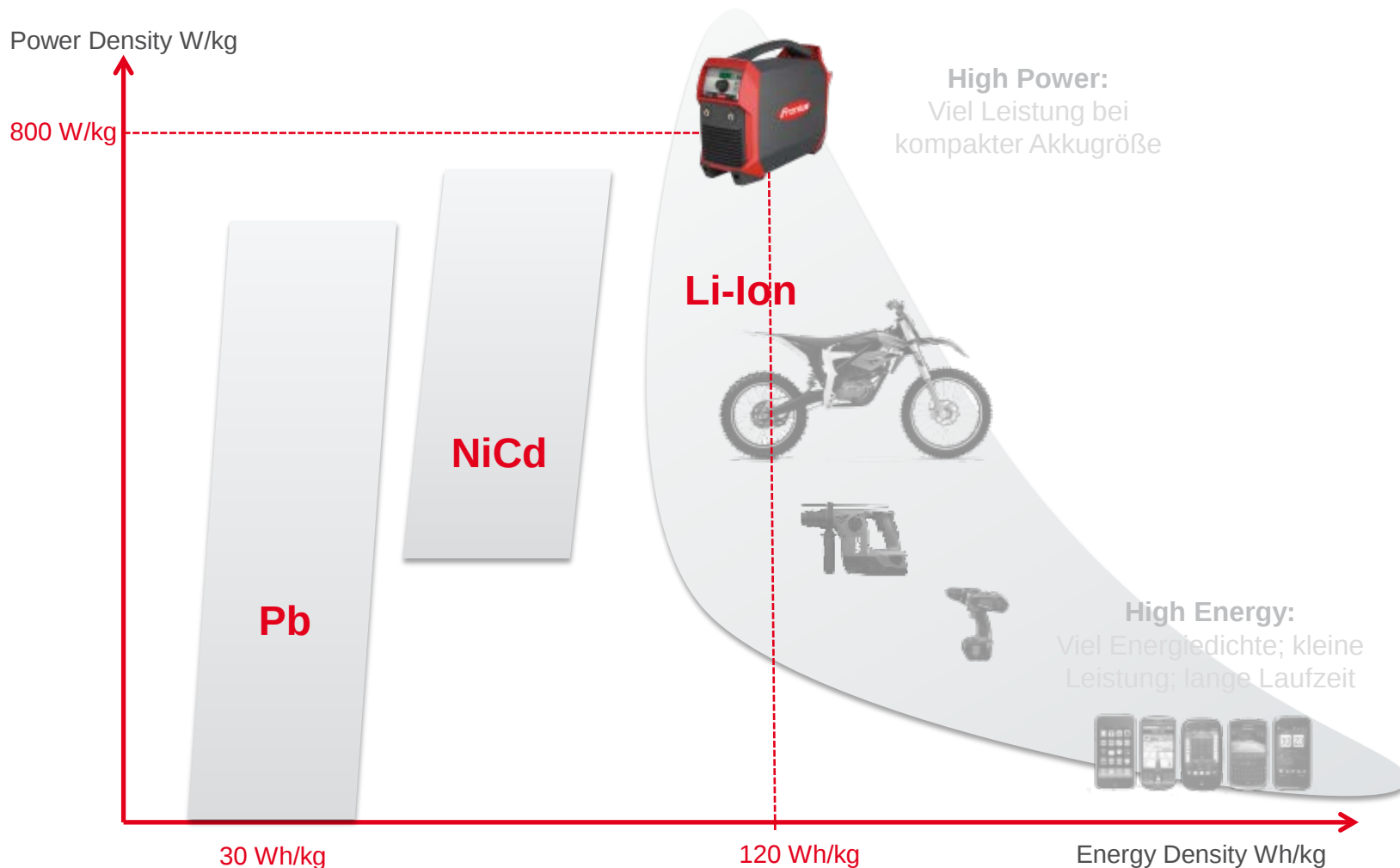
High Energy:
Low Power, long run-time



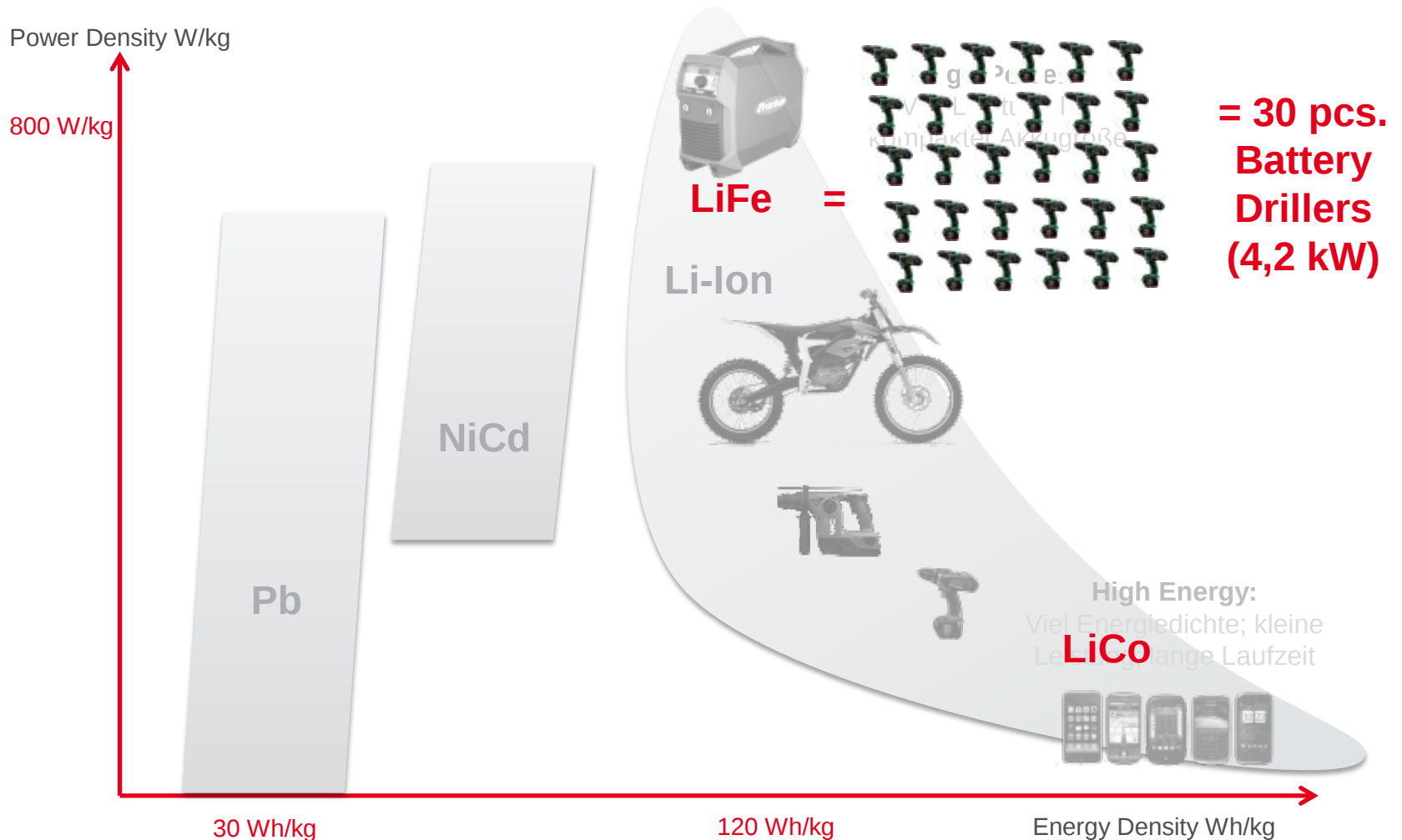
120 Wh/kg

Energy Density Wh/kg

BATTERY TECHNOLOGIES



Li-Ion-TECHNOLOGY



COMPARISON POWERSOURCE + GENERATOR

2-3 KVA

AccuPocket

~10-20kg



+



10-12 KVA

Conventional 150A
Inverter

~120kg

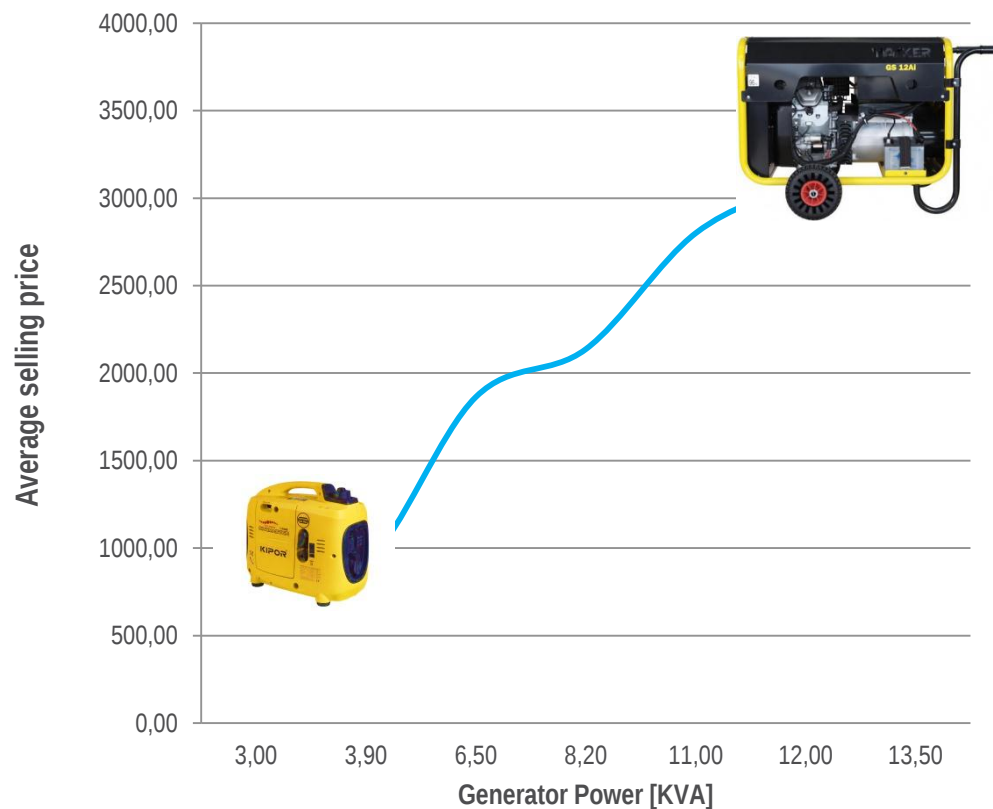


+



COMPARISON GENERATOR

AccuPocket appr. 2,3kVA Generator needed



GENERATORS IN COMPARISON

	2 kVA 	6 kVA 
Weight	21kg	115kg
Dimension	51 x 29 x 42,5 cm	850 x 672 x 699
Price	€ 1.899,-	€ 5.649,-

BOOST FUNCTION

