when it really counts

LiHD. REVOLUTIONARY BATTERY PACK TECHNOLOGY FOR NEW EXTREME PERFORMANCE.

metabo®
PROFESSIONAL POWER TOOL SOLUTIONS
Dear Readers,

For years we have been following our vision of the cordless construction site in a consequent and innovative manner. Ever more enduring battery packs and an enormous bandwidth of machines offer you, as professionals, a safe investment for the future with the battery platform used in power tools from Metabo.

Now our engineers have succeeded in a technological quantum leap towards independence from the mains socket. With the completely novel design of the LiHD battery pack, we initiate a technological revolution and are the first and only supplier to boldly go into dimensions which could absolutely not be imagined before: An increased output of up to 67%, paired with a longer run time, sets completely new standards.

On the one hand, we can now finally operate power tools with battery packs, which, due to their power requirements, could previous only ever be imagined as mains-powered, for example, the world’s only 230 mm cordless angle grinder, which we will be presenting to the public in May and delivering from 2016. Similarly more extreme applications will now be possible with battery powered machines as they perform at the same level as mains-powered tools. The best example: our new small brushless cordless angle grinder, which has the power of a 1,000 Watt mains-powered machine, and which runs up to twice as long as all machines with standard battery pack systems. This is only the starting point for many new, extremely powerful cordless machines based on LiHD.

By the way: Thanks to our Ultra-M technology, the new LiHD battery packs naturally fit on your existing Metabo cordless machines in use today. You can rely on 100% compatibility. Today and in the future.

Convince yourself by testing the revolutionary power of our LiHD battery packs today.

We are looking forward to receiving your feedback.

Yours

Horst W. Garbrecht
CEO Metabo
LiHD: NEVER HAS HIGH PERFORMANCE BEEN SO COMPACT.

A milestone in battery pack technology.

- 67% more power – permits completely new applications with battery-powered machines
- 87% longer run time – for even more endurance
- 100% longer service life – makes your investment even safer
- Makes applications possible under most demanding conditions, which had previously been reserved only for powerful mains-powered machines.
- New definition of independence: a milestone along the path towards a cordless construction site
- 100% compatible and fits all current and future cordless machines from Metabo

Increased run time thanks to:
- an increase in active cell material
- high-quality materials (silver and copper) in combination with stronger conductors – this permits a more efficient energy flow

Increased service life thanks to:
- less frequent charging thanks to greater usable energy
- significantly lower heat generation for protection of the cells

Output

Output

Revolutionary LiHD high-performance cells:
- Completely new electromechanical design with significantly stronger conductors, which in combination with more active material, permit a
  - significant increase in the accessible power output
  - resulting in more usable energy for you

Massive power rails capable of handling high currents, enlarged contact and cell connectors made from a special CU alloy, conduct the current with reduced losses.

100% compatibility with all current and future cordless machines from Metabo.

Air COOLED charging technology for shorter charging time
Electronic Single Cell Protection for longer service life
Capacity display for monitoring charge level

Also available as compact battery pack with LiHD 3.1 Ah
Maximum performance from minimalist design

100% MORE SERVICE LIFE

87% MORE RUNTIME

+ 87% Run time

+ 67% Output
New applications become possible: e.g. the new, large cordless angle grinder in 36 Volt LiHD technology* as powerful as a 2,400 Watt mains-powered angle grinder.

* available from the beginning of 2016.

LiHD battery packs: as powerful as mains-powered machines

Cordless angle grinder material: sheet steel, 6 mm

87% more runtime

Comparison LiHD vs. Li-Ion

Cordless crosscut saw KGS 18 LTX 216 Material: soft wood 26.5 x 6.5 cm

67% more power

Comparison LiHD vs. Li-Ion

Ultra-M Technology
Perfect interaction between machine, battery pack and charger.

100% compatibility with all Metabo cordless machines yesterday, today and till the future.

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ACCESS THE FUTURE TODAY WITH US.

Here is just a small selection of the various combinations of Metabo cordless machines and LiHD battery packs. Ask your dealer for further offers!

**18 Volt Cordless Combination Hammer**

**KHA 18 LTX**
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

**Scope of delivery**
- Soft-Grip side handle, drill-depth guide, quick Change Chuck, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V “AIR COOLED” charger, plastic carry case.

**Technical data**
<table>
<thead>
<tr>
<th>KHA 18 LTX</th>
<th>125 Quick</th>
</tr>
</thead>
<tbody>
<tr>
<td>No-Load Speed</td>
<td>0–500/0–1,700/min</td>
</tr>
<tr>
<td>Max. torque, soft/hard</td>
<td>34 Nm/60 Nm</td>
</tr>
<tr>
<td>Weight (including battery pack)</td>
<td>2.7 kg</td>
</tr>
</tbody>
</table>

**Order number**
- 602196670

**18 Volt Cordless Flat Head Angle Grinder**

**WF 18 LTX 125 Quick**
- Fast progress in tight spaces with fabricated angles down to 45° thanks to the extremely flat head design.
- Increased productivity: up to 60% time saving.
- Low-fatigue operation thanks to slim body.

**Scope of delivery**
- 1-motor grinding disc “Plasmacut Super Convex” (125 mm, P60), protective cover, inner support flange, quick adjusting nut, de-handle, dust filter, 2 LiHD battery packs (18 V/5.5 Ah), ASC 30-36 V “AIR COOLED” charger, ASC 30-36 V “AIR COOLED”, plastic carry case.

**Technical data**

**WB 18 LTX 125 Quick and WPB 18 LTX BL 125 Quick**
- Unique unipolar Metabo brushless motor with optimum protection from dust provides quick work progress in tight spaces with fabricated angles down to 45° thanks to the extremely flat head design.
- Fast brake system with safety spindle for highest user protection: stops the disc within 2 seconds after switching off and prevents the grinding/cutting wheel from coming loose during the braking process.
- Electronic safety shutdown of the motor if the grinding/cutting wheel jams thus reducing the risk of stalling.
- Extremely powerful thanks to Metabo “Quick” System: Quick change of applications.
- Extremely powerful thanks to the powerful Metabo 4-pole motor.
- Compact lightweight, suitable also for one-handed transport.

**Scope of delivery**
- Carbide saw blade (40 teeth), 2 integrated table extensions, length stop, material clamp, tool for saw blade change, chip collection bag, 2 LiHD battery packs (18 V/5.5 Ah), “AIR COOLED” ASC 30-36 V charger.

**Order number**
- 600210670

**18 Volt Cordless Impact Drill**

**SB 18 LT**
- Extremely powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving.

**Scope of delivery**
- Quick-change drill chuck, belt hook and bit storage, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V “AIR COOLED” charger, plastic carry case.

**Technical data**
<table>
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<th>SB 18 LT</th>
<th>125 Quick</th>
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<tbody>
<tr>
<td>Max. torque soft/hard</td>
<td>55 Nm/110 Nm</td>
</tr>
<tr>
<td>No-Load Speed</td>
<td>0–500/0–1,700/min</td>
</tr>
<tr>
<td>Weight (including battery pack)</td>
<td>2.6 kg</td>
</tr>
</tbody>
</table>

**Order number**
- 602103670

**18 Volt Cordless Drill/Screwdriver**

**BS 18 LT**
- Extremely powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving.

**Scope of delivery**
- Quick-change drill chuck, belt hook and bit storage, 2 LiHD battery packs (18 V/3.1 Ah), ASC 30-36 V “AIR COOLED” charger, plastic carry case.

**Technical data**
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<th>BS 18 LT</th>
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<tr>
<td>No-Load Speed</td>
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<tr>
<td>Max. torque soft/hard</td>
<td>55 Nm/110 Nm</td>
</tr>
<tr>
<td>Weight (including battery pack)</td>
<td>2.6 kg</td>
</tr>
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</table>

**Order number**
- 602102670

**18 Volt Cordless Impact Wrench**

**SSW 18 LTX 400 BL**
- Unique Metabo brushless motor for quick work progress and highest efficiency for any application.
- Twin speed/torque levels for a wide range of applications.
- High torque accompanied by exceptionally compact design.

**Scope of delivery**
- Belt hook, 2 LiHD battery packs (18 V/5.5 Ah), ASC 30-36 V “AIR COOLED” charger, plastic carry case, accessories.

**Technical data**
<table>
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<tr>
<th>SSW 18 LTX 400 BL</th>
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<tbody>
<tr>
<td>No-Load Speed</td>
<td>0–1,700/min</td>
</tr>
<tr>
<td>Maximum torque</td>
<td>165 Nm</td>
</tr>
<tr>
<td>Weight (including battery pack)</td>
<td>1.7 kg</td>
</tr>
</tbody>
</table>

**Order number**
- 602196670

**18 Volt Cordless Impact Drill**

**BS 18 LTX Quick**
- High-performance impact mechanism for optimum drilling performance.
- Metabo “Quick” System: Quick change of tool holder and bits. Ideal for fast and convenient change of applications.
- Extremely powerful thanks to Metabo 4-pole motor.

**Scope of delivery**
- Quick-change drill chuck, quick change bit holder, side handle, belt hook and bit storage, 2 LiHD battery packs (18 V/5.5 Ah), ASC 30-36 V “AIR COOLED” charger, ASC 30-36 V “AIR COOLED”, plastic carry case.

**Technical data**
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<th>BS 18 LTX Quick</th>
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<tbody>
<tr>
<td>No-Load Speed</td>
<td>0–500/0–1,700/min</td>
</tr>
<tr>
<td>Power (90 °)</td>
<td>150 Nm</td>
</tr>
<tr>
<td>Revolutions at rated load</td>
<td>9,000/min</td>
</tr>
<tr>
<td>Weight (including battery pack)</td>
<td>2.3 kg</td>
</tr>
</tbody>
</table>

**Order number**
- 602205670
2. Battery packs and chargers

- Basic Sets
  - Basic Set 2 x 5.2 Ah
    - 2 x Battery pack LiHD 5.2 Ah
    - 1 x Charger ASC Ultra 30–36 V
  - Basic Set 3 x 4.0 Ah
    - 3 x Battery pack LiHD 4.0 Ah
    - 1 x Charger ASC 30–38 V
  - Basic Set 3 x 5.2 Ah
    - 3 x Battery pack LiHD 5.2 Ah
    - 1 x Charger ASC 30–38 V
  - Basic Set 2 x 5.2 Ah ASC Ultra
    - 2 x Battery pack LiHD 5.2 Ah
    - 1 x Charger ASC Ultra 30–36 V
  - Basic Set 3 x 4.0 Ah ASC Ultra
    - 3 x Battery pack LiHD 4.0 Ah
    - 1 x Charger ASC Ultra 30–36 V
  - Basic Set 3 x 5.2 Ah ASC Ultra
    - 3 x Battery pack LiHD 5.2 Ah
    - 1 x Charger ASC Ultra 30–36 V

- Battery packs
  - LiHD 3.1 Ah (incl. foam insert)
    - Available from July 2015
  - LiHD 4.0 Ah
  - LiHD 5.2 Ah

- Chargers
  - Quick Charger ASC Ultra
    - Order no. 625596000
  - Quick Charger ASC 30–36 V
    - Order no. 625592000
  - Quick Charger ASC 18 V
    - Order no. 625591000

3. Transport and storage

- Tool bags
  - Small tool bag
    - Order no. 600288000
  - Large tool bag
    - Order no. 600368000

**All machines** and basic sets come with a matching insert for MetaLoc storage.

**Except: cordless saber saw, cordless site radio, cordless site light, cordless furnishing machine, cordless fillet weld grinder, cordless tube belt sander, cordless angle grinder W 18 LTX 125 Quick, cordless band file, cordless site grinder, GA 18 LTX G, cordless portable lamp, cordless inspection lamp, cordless hedge trimmer, cordless disc cutter, cordless power adapter, cordless handheld paint, cordless blower, cordless fan.**
Metabo - always near you.
With 1,800 employees, 25 subsidiary sales companies and 100 importers on all continents, we have a global presence on site - and always there when and wherever you need us.