



BOSCH

FAST AND FASTER

High-power charging
with Power Boost Mode

GAL18V-160C
18V Connected-Ready
Lithium-Ion 16 Amp Battery
Turbo Charger
Product Launch



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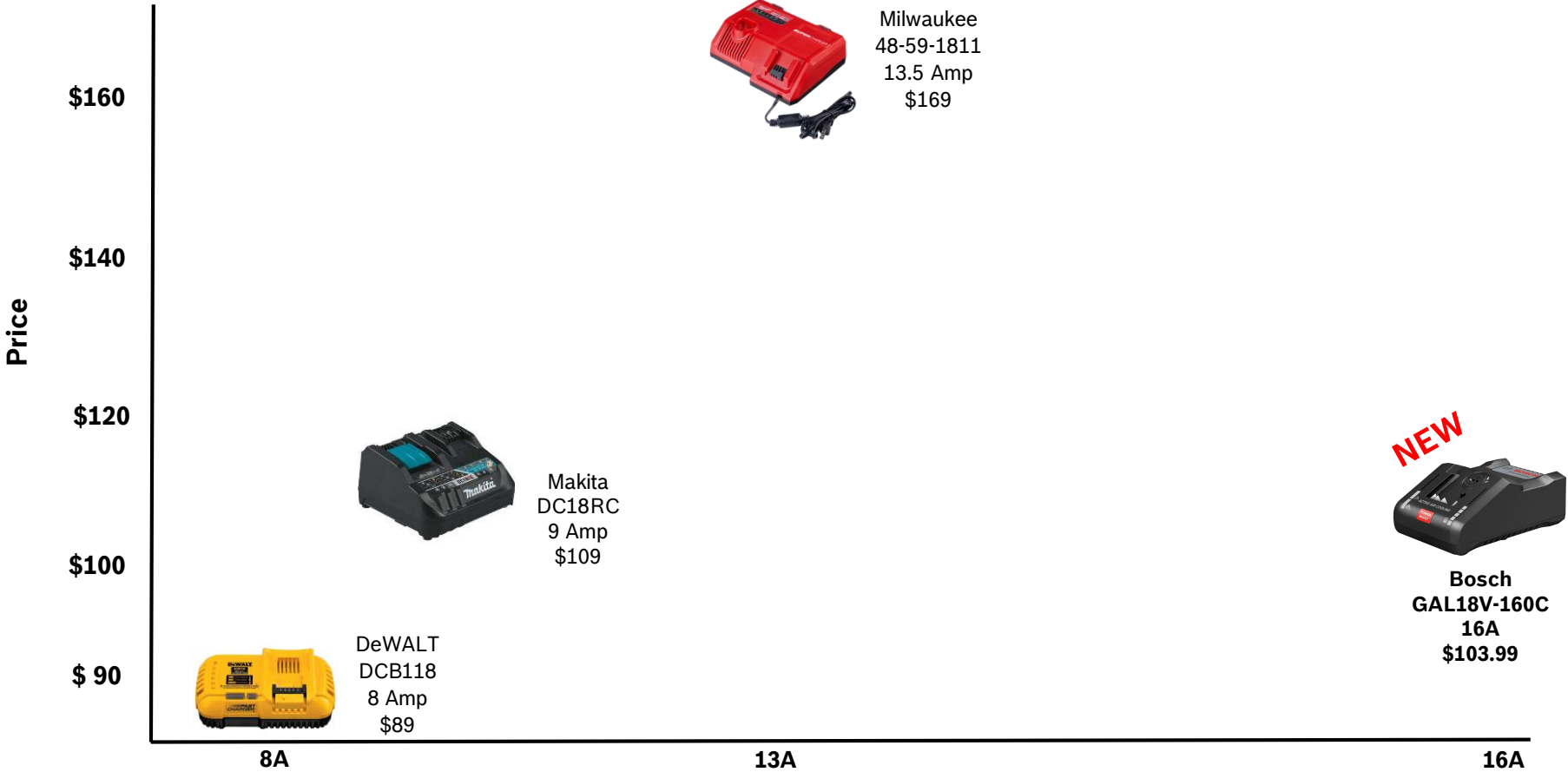
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MARKET OVERVIEW



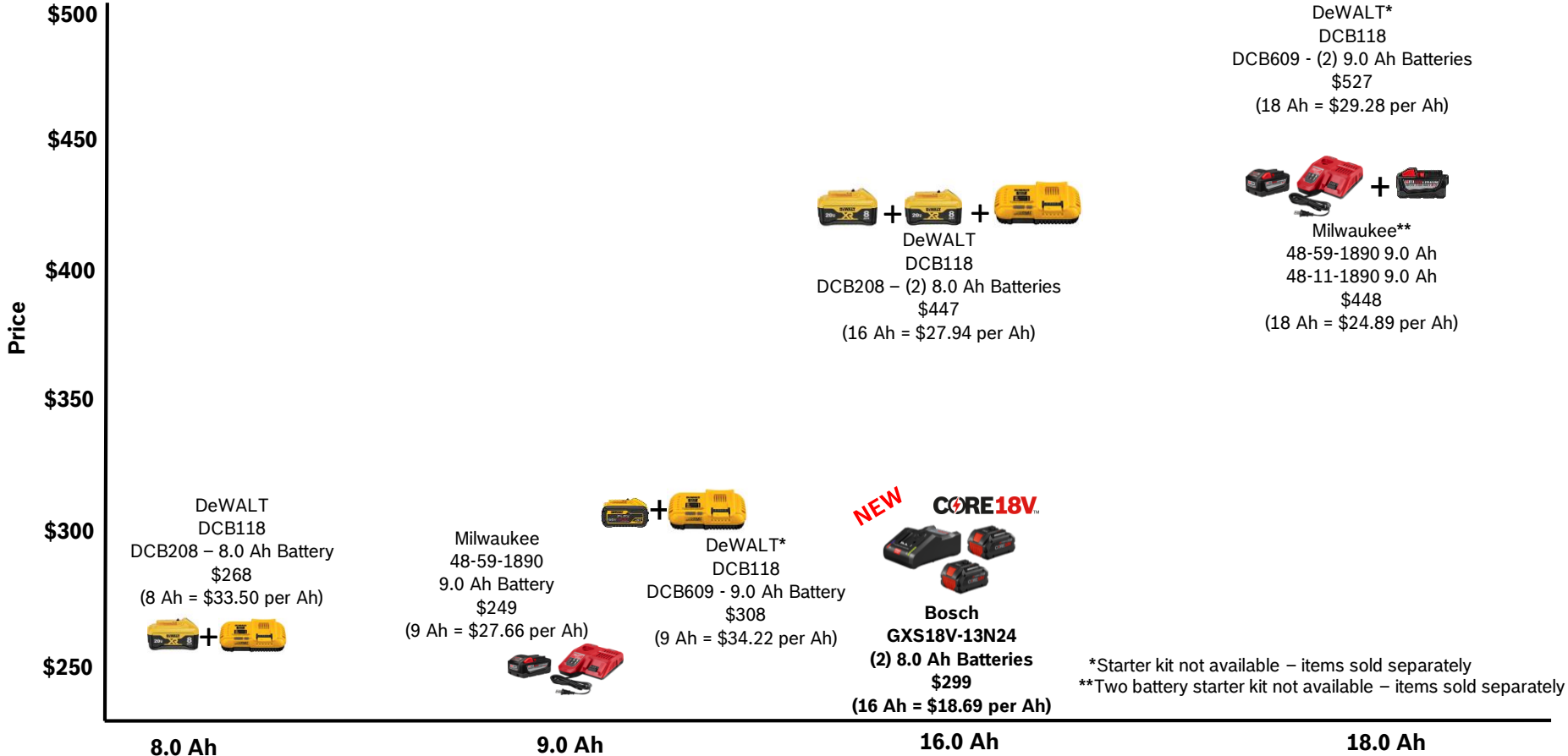
Product Landscape - 18V Chargers



Most runtime per dollar.



Product Landscape – Starter Kits



Best value per Ah.



FEATURES & BENEFITS



GAL18V-160C

ACTIVE AIR-COOLING

Uses two fans to cool battery, optimizing charging time while protecting batteries from overheating

CHARGER-STATUS INDICATOR

Indicates charger ready, charging prohibited and charger connected

FLEXIBLE POWER SYSTEM

Compatible with Bosch 18V Lithium-ion batteries

POWER-BOOST MODE

Boosts electrical current charging to 50% in the shortest time

BATTERY CHARGING INDICATOR

Five LED indicator provides charging status



CONNECTIVITY

(module – sold separately)
Link to connected device via Bosch Toolbox App for battery health, charge level and additional charge modes

16-AMP CHARGING CURRENT

Delivers eight times the charging current vs. a standard charger



Model : GAL18V-160C

Includes:

GAL18V-160C - GAL18V-160C 18V Connected-Ready Lithium-Ion 16 Amp Battery Turbo Charger – **Launch Date: April**

GXS18V-13N24 - GAL18V-160C 18V Connected-Ready Lithium-Ion 16 Amp Battery Turbo Charger, (2) 18V CORE18V Lithium-Ion 8.0 Ah Performance Batteries – **Launch Date: May**

Features / Benefits

- ✓ **16-Amp Charging Current** – Delivers eight times the charging current vs. a standard charger
- ✓ **Power-Boost Mode** – Boosts electrical current charging to 50% in the shortest time
- ✓ **Active Air-Cooling** – Uses two fans to cool battery, optimizing charging time
- ✓ **Connectivity (module – sold separately)** – Link to connected device via Bosch Toolbox App for battery health, charge level and additional charge modes
- ✓ **Two Additional Charging Modes Available on Toolbox App** – Offers Max Lifetime mode and Storage mode maximizing lifetime of the battery
- ✓ **Charger-Status Indicator** – Indicates charger ready, charging prohibited and charger connected
- ✓ **Battery Charging Indicator** – Five LED indicator provides charging status
- ✓ **Flexible Power System** – Compatible with Bosch 18V Lithium-Ion batteries



GAL18V-160C





GXS18V-13N24

SPECIFICATIONS

Length	7.7"
Width	5.0"
Height	3.3"
Weight (Bare Tool)	2.0 lbs.
Charging Time	
CORE18V 4.0 Ah (50%/80%/100%)	9 / 21 / 51 min
CORE18V 8.0 Ah (50%/80%/100%)	15 / 26 / 51 min



Charging Comparison – GAL18V-60C vs. BC1880

Battery	GAL18V-160C 			BC1880 	
	50%	80%	100%	80%	100%
CORE18V 4.0 Ah	Power Boost Mode			51	51
CORE18V 8.0 Ah	15	26	32	51	79



Active Air Cooling

Why Active Air Cooling?

- Active Air Cooling enables the charging process to begin sooner by cooling the battery after recent use
- Active Air Cooling allows faster charging by moving heat away from the battery during the charging process



Active Air Cooling occurs when two internal power fans blow air towards the battery while being charged.

Connectivity Features



Charging Mode Selection

- Select required charging mode

Charging Information on Current Charging Cycle

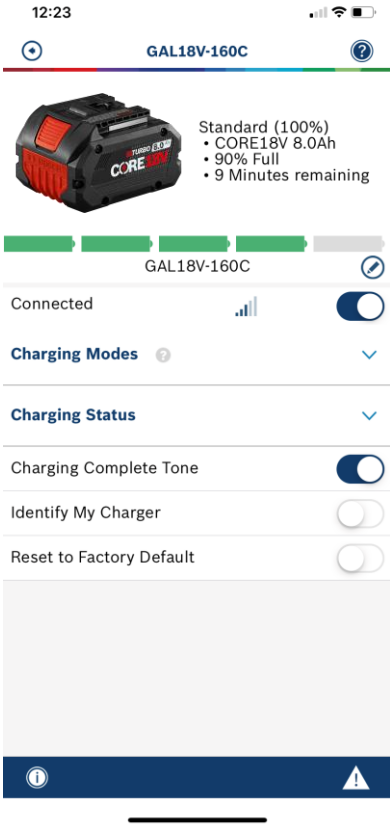
- Remaining charging time (CORE18V packs)
- State of charge in 20%-steps
- Diagnostics: Details on warning-light (red LED) e.g. defects/ temperature

Battery Health Status:

- Three categories (Excellent / Good / Fair)

Charger Settings

- Notification to phone app when battery is 50%, 80% and/or 100% charged
- Turn on/off notification tone



Connectivity Features – Charging Modes



Standard Mode

- Bosch’s Standard charging is fast; first 80% charge is fast, remaining 20% charge slower, preserving life of the cells
 - Currently used in all Bosch chargers

Power Boost Mode

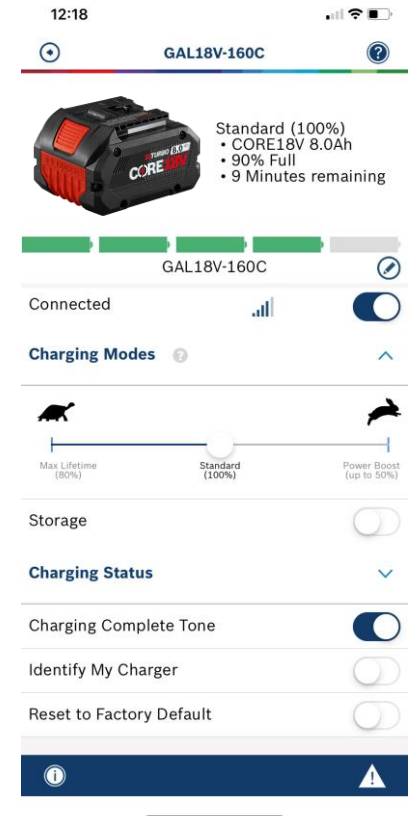
- Charging with highest possible current in shortest time (after 50% charger switches to Max Lifetime Mode, stopping at 80%)
 - User info “Battery ready to use” via toolbox app push notification
 - Highest runtime to charge time ratio

Max Lifetime Mode

- Charging at reduced voltage and current to maximize/extend battery lifetime
 - Battery will only be charged to approximately 80%
 - Provides approximately 50% longer battery lifetime

Storage Mode

- Charging up to 50% for long-term storage to improve battery life



Connectivity Features – Charging Modes



Change of the Charging Modes

- The charger is set to Standard charging mode by default
- The Power Boost mode can be activated with the Power Boost button (or via the App). The Power Boost button is illuminated when function is activated. When 50% charge is reached the button illumination switches off and the charger switches to Max Lifetime Mode continuing to charge to 80% at a slower rate. The charger will automatically return to Standard mode or user-selected default mode for the next charge
- Other charging modes can be activated only via the App. When the charging mode is selected as default mode, it will not return to Standard mode automatically



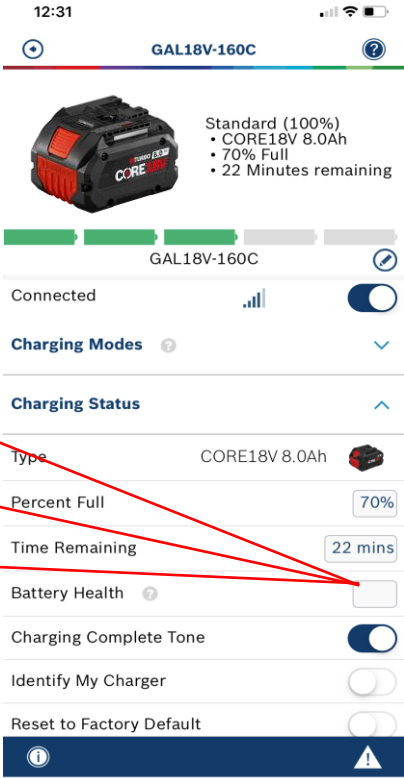
Power Boost Button



Connectivity Features – Battery Health Indication



Excellent	Battery is able to deliver full performance and full runtime
Good	Battery performance is slightly reduced. Tool performance and runtime are not significantly impacted
Fair	Battery health is low. You should consider replacing your battery



Indication provides users, especially power users, with continuous battery health status. Advanced notification enables users to reduce downtime and increase productivity.



Product Comparison – Bosch 18V Chargers



	GAL18V-40	BC1880	GAL18V-160C
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	COMPACT	PERFORMANCE	ENDURANCE
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Charging Current	4.0 A	8.0 A	16.0 A
Active Air Cooling	-	✓	✓
Connectivity	-	-	✓

Welcome to the new 18V charger range: Compact – Performance – Endurance.



Pricing Information

Model #	Description	10-Digit #	MSRP	Standard	Tier 1	Tier 2
GAL18V-160C	18V Connected-Ready Lithium-Ion 16 Amp Battery Turbo Charger	1600A01DZ1	\$103.99	\$94.50	\$89.75	\$86.17
GXS18V-13N24	18V CORE18V Starter Kit with (2) CORE18V 8.0 Ah Performance Batteries	1600A018ZK	\$299.00	\$269.00	\$255.50	\$245.18

Set-Up Information

Model #	Bare Product Weight (Lbs.)	Pack Weight (Lbs.)	Pkg. Qty.	UPC	Packaging Dimensions	Cube (Ft.)	Pallet Qty.	Pallet Cube (Ft.)	Harmonized Tariff No.	Country of Origin
GAL18V-160C	2.0	2.5	1	000346635294	3.50 " x 9.25 " x 12.75 "	0.24	144	50.3	8504409510	China
GXS18V-13N24	6.2	7.1	1	000346629002	15.25 " x 11.0 " x 4.75 "	0.46	80	47.2	8507600020	Malaysia



WHY BOSCH



Why Bosch

User Needs:	Bosch Delivers:
✓ High Power	• 16A high power = fast and faster charging times
✓ Fast Charging, Less Downtime	• Power-Boost: 4 Ah – 50% = 9 min. / 8 Ah – 50% = 15 min.
✓ Long Battery Life	• Max Lifetime and Storage modes support battery health*
✓ Real-Time Monitoring, Flexibility	• Connected-ready control via Toolbox app*

*Requires Connectivity Module (sold separately)

Fast and faster – high powered charging plus Power Boost mode.



TARGET USERS & APPLICATIONS



Target Users & Applications

The GAL18V-160C provides the industry's fastest charging times beneficial to long runtime and reduced downtime for extreme heavy-duty tools including benchtop, rotary hammers and circular saws.



COMPETITIVE COMPARISONS



Competitor Overview



Brand	Bosch	DeWALT	Milwaukee	Milwaukee	Makita
Model	GAL18V-160C	DCB 118	48-59-1808	48-59-1811	DC18RE
MSRP	\$104	\$89	\$79	\$169	\$110
Charging Current Max.	16.0 A	8.0 A	6.0 A	13.5 A	12.0 A
Output Voltage	18V	20V & 60V	12V – 18V	12V – 18V	14.4V – 18V
Weight	2.1 Lbs.	1.5 Lbs.	1.7 Lbs.	3.4 Lbs.	1.9 Lbs.
Size [In.]	5.1 x 7.7 x 3.3	8.9 x 8.6 x 4.5	5.6 x 6.7 x 2.9	3.1 x 9.1 x 7.1	6.1 x 7.5 x 3.3
Connectivity	✓	-	-	-	-

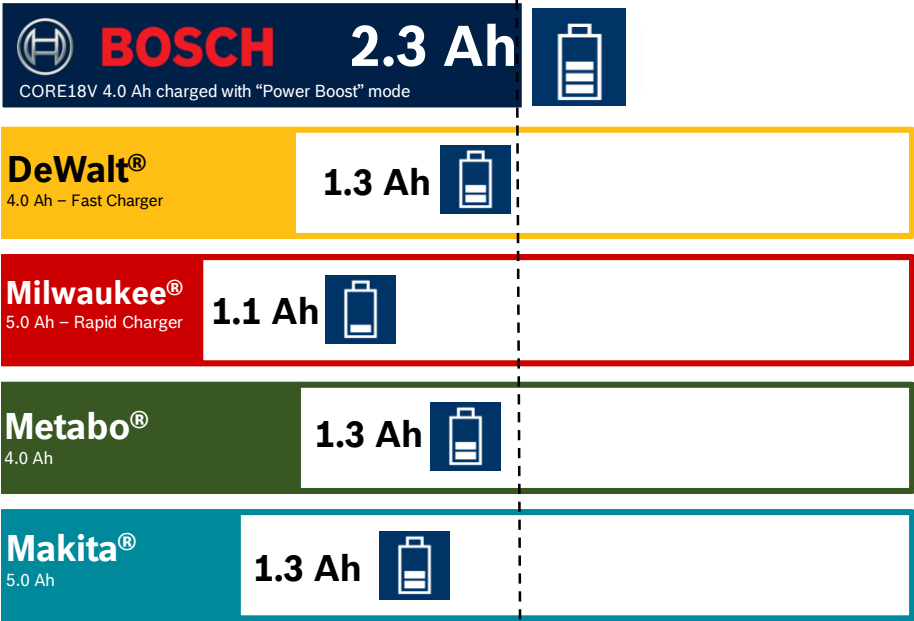
Unbeatably fast. The new world charging champion.

Competitor Comparison – Faster Charging with GBA18V40



DELIVERS LESS DOWNTIME

CHARGED CAPACITY [Ah] AFTER 10 MIN.



GAL18V-160C IS 77% FASTER THAN NEXT COMPETITOR



*Within 10 minutes the tested battery is charged up to a certain capacity. The higher the charged capacity within the given time, the fuller the battery.
 *Based on independent SLG Testing: Report# 1012-15-MM-19-PP004 June 2019.

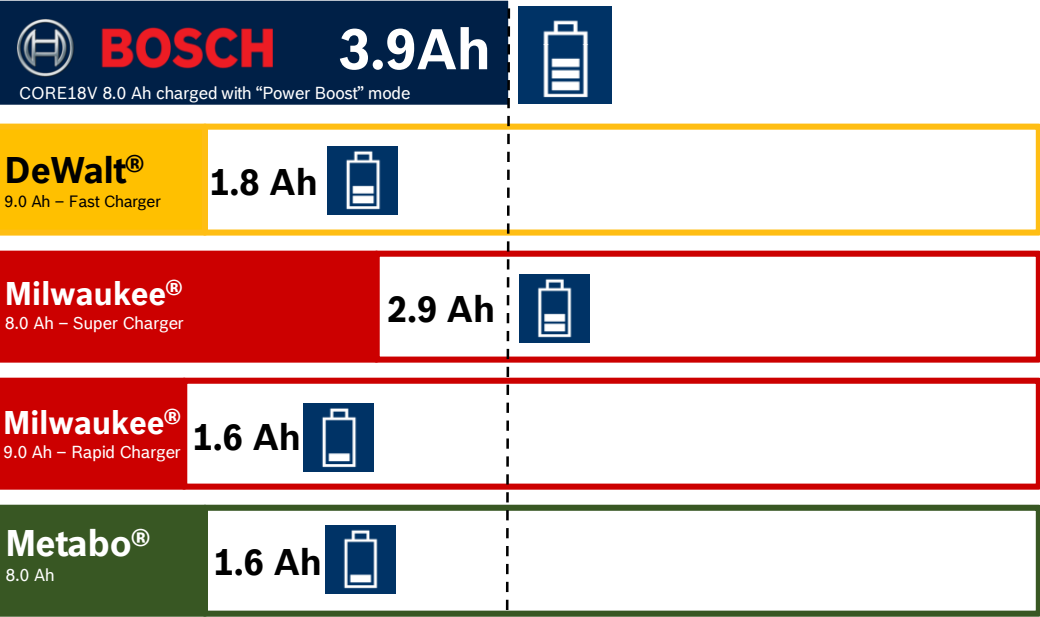


Competitor Comparison – Faster Charging with GBA18V80



DELIVERS LESS DOWNTIME

CHARGED CAPACITY [Ah] AFTER 15 MIN.



GAL18V-160C IS 35% FASTER THAN NEXT COMPETITOR



*Within 15 minutes the tested battery is charged up to a certain capacity. The higher the charged capacity within the given time, the fuller the battery.
 *Based on independent SLG Testing: Report# 1012-15-MM-19-PP004 June 2019.
 ** Milwaukee Charger available in USA only.



MARKETING SUPPORT



Marketing Support

COLLATERAL

- Fact sticker

GAL18V-160C
18V Connected-Ready Lithium-Ion
16 Amp Battery Turbo Charger

18V





Fast air-cooled charging and faster Power-Boost function get the battery ready in a hurry
Connected ready with Connectivity Module (sold separately) to link to a connected device via Bosch Toolbox App for control, monitoring, and analysis
Four charging modes include Standard, Power Boost, Max Lifetime and Storage



Winbrook #	Description
2020-016	GAL18V-160C Fact Sticker



FREQUENTLY ASKED QUESTIONS



Frequently Asked Questions

Why is the Active Air Cooling now different?

Active Air Cooling has been improved to a new standard. Previous-generation chargers pulled air through the battery. Now, two fans blow air from the charger to and around the battery. This method distributes more air and cools much more effectively.

Why is the 100% charging time of a CORE18V 4.0 Ah battery the same as the CORE18V 8.0 Ah battery?

The CORE18V 4.0 Ah battery is a single layer battery capable of utilizing a maximum of 6A for charging. The CORE18V 8.0 Ah battery is a double layer battery, where we can charge with 12A, or effectively 6A per layer. In both cases, Standard mode does not meet or exceed the charger's full potential of 16A.

How does the Power Boost work exactly?

The Power Boost mode is a step charging procedure. Charging begins with a very high current (12A or even 16A) and step by step decreases current. These currents can only be sustained up to 50% of the charge cycle. From 50% to 80% the charging current is decreased to avoid overheating the battery which promotes strong battery health and longer life.


Why wouldn't Power Boost be used all the time?

Power Boost mode stops charging at ~80%. This is done in order to preserve battery health. The charging portion from 80% to 100% is usually the most stressful on a battery. Power Boost Mode replaces this stress with initial high current charging, providing the power needed in the least amount of time.



**If you have any product questions,
please contact Chris Gregory**

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