

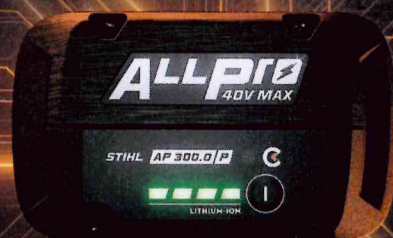
STIHL

CHARGED

WITH

NEXT LEVEL POWER

by the new STIHL ALLPRO Battery System





	AP 20.1	AP 30.1	AP 100 P	AP 200 P	AP 300 P	AP 300 PC
Energy content (Wh)	144 Wh	270 Wh	111 Wh	222 Wh	333 Wh	333 Wh
Weight (kg)	1.3 kg	1.8 kg	0.9 kg	1.4 kg	1.9 kg	1.9 kg
Max. voltage	40 V	40 V	40 V	40 V	40 V	40 V
Charging time with AL 1802 MO (min)	25/40 min	30/45 min	9/20 min	9/20 min	9/20 min	9/20 min
Charge cycles	1200	1200	3000	3000	3000	3000
Discharge temperature range	-10°C to 40°C	-10°C to 40°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
Charging temperature range	5°C to 40°C	5°C to 40°C	-6°C to 50°C	-6°C to 50°C	-6°C to 50°C	-6°C to 50°C
Water protection IPX 4 / IPX 5						
Smart Electronic Control						
Constant Power						
Power Boost						
Durability						
Battery cooling						
9 minute fast charging (80%)						
Cold start Standard / Optimised						
STIHL Connected						



ALLPRO BATTERY

STANDARD: AP 20.1 / AP 30.1

With ALLPRO, STIHL has developed a new battery system designed to support professionals in their daily work. The AP 20.1 and AP 30.1 are standard ALLPRO batteries, offering long working times, fast charging, and full compatibility with the existing AP System. Using proven lithium-ion battery cells, they deliver a strong balance of performance, reliability, and value for money, while offering full compatibility with AP System tools.

ALLPRO BATTERY

PERFORMANCE: AP 100 P / 200 P / 300 P / 300 PC

At the heart of the ALLPRO system is a range of high-performance batteries using tabless cells. Within the range, there are batteries with various energy capacities, power and weight, so professionals can choose the right battery for the tool and the task. Tabless cells deliver higher power outputs, an excellent power-to-weight ratio, longer working times, and significantly faster charging times compared to standard battery cells.

DOUBLE SERVICE LIFE

3,000 CHARGE CYCLES¹

+20 % ENERGY CAPACITY (Wh)

+40 % CONTINUOUS POWER²

+40 % FASTER CHARGING TIMES

+60 % PEAK POWER

IPX 4 STANDARD & **IPX 5** PERFORMANCE³

LEADING POWER-TO-WEIGHT RATIO

Comparison between ALLPRO AP 300 P and AP 300 S

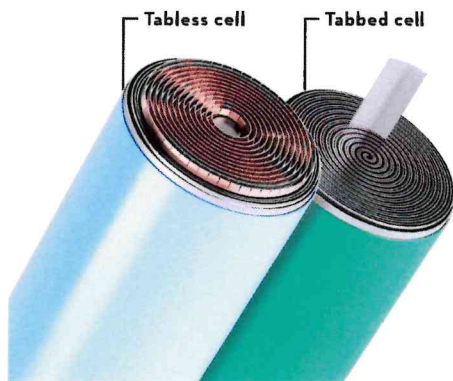
¹ Up to 3,000 cycles without noticeable loss of performance; can still be used thereafter. Applies only to ALLPRO batteries AP 100 P, AP 200 P and AP 300 P(C).

² Comparison with AP 300 P(C) and AP 300 S.

³ IPX5 protection applies only to ALLPRO batteries AP 100 P, AP 200 P and AP 300 P(C). The ALLPRO batteries AP 20.1 and AP 30.1 are IPX4-certified.



TABLESS TECHNOLOGY

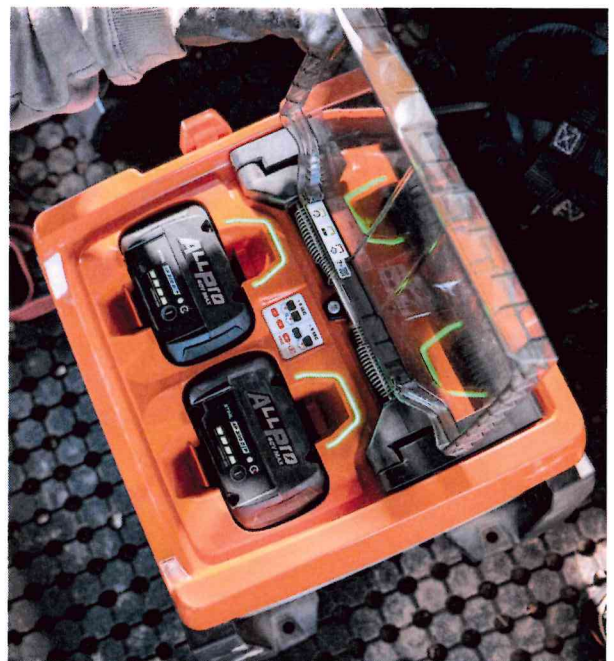


ALLPRO Performance batteries use advanced tabless cell technology. In conventional battery cells, electrical current flows through a single tab, creating a bottleneck that can restrict current flow and generate heat under high loads. With tabless cell technology, current flows across a much larger surface area within the cell, enabling higher power output, reduced heat generation, and exceptionally fast charging. This advanced design also supports an extended service life, with up to 3,000 charge cycles without loss of performance.

FAST CHARGING

The AL 1802 MO fast charger simplifies charge management when paired with ALLPRO Performance batteries. Thanks to exceptionally high charging speeds, batteries can reach up to 80% charge in as little as 9 minutes⁴, minimising downtime and maximising productivity. Designed for maximum flexibility, the charger can be used in the workshop, as a mobile outdoor charging solution thanks to the IPX4 rating, or mounted to a vehicle for charging on the move.

⁴ Time taken to reach 80% charge at ambient/battery temperatures of 25-40 °C when used with the AL 1802 MO. Applies to ALLPRO batteries AP 100 P, AP 200 P and AP 300 P(C).



RAIN RESISTANCE

ALLPRO Performance batteries are engineered for reliable operation in the toughest working conditions. With an IPX5 protection rating, they are designed to withstand exposure to rain and moisture without compromising performance, providing professionals with a dependable power source when the weather becomes challenging.

ALLPRO Standard batteries feature an IPX4 protection rating, offering splash resistance from all directions. This makes them well suited to everyday professional use, including operation in light rain and damp conditions.

ALLPRO

BATTERY WORKING TIMES



		AP 20.1	AP 30.1	AP 100 P	AP 200 P	AP 300 P/PC
MSA 160 C-B		-	49 mins	26 mins	39 mins	58 mins
MSA 200 C-B		-	46 mins	26 mins	32 mins	48 mins
MSA 220 C-B		-	34 mins	21 mins	27 mins	39 mins
MSA 260 C-O NEW		-	-	-	25 mins	37 mins
MSA 300		-	-	-	-	20 - 44 mins
MSA 161 T		32 mins	60 mins	25 mins	50 mins	74 mins
MSA 190 T		-	47 mins	-	39 mins	58 mins
HTA 66 / 86		32 mins	65 mins	27 mins	54 mins	81 mins
HTA 150		40 mins	96 mins	40 mins	79 mins	120 mins
HTA 160		34 mins	67 mins	28 mins	55 mins	83 mins
HSA 100		116 mins	216 mins	89 mins	180 mins	270 mins
HSA 130 R / T		83 - 65 mins	160 - 125 mins	66 - 51 mins	130 - 105 mins	200 - 155 mins
HSA 140 R / 150 R		116 - 77 mins	235 - 168 mins	97 - 69 mins	195 - 140 mins	290 - 205 mins
HSA 140 T / 150 T		108 - 69 mins	226 - 144 mins	93 - 59 mins	185 - 120 mins	280 - 180 mins
HLA 66 / 86		111 mins	214 mins	88 mins	175 mins	265 mins
HLA 140 / K NEW		66 - 53 mins	125 - 100 mins	51 - 41 mins	103 - 82 mins	154 - 123 mins
HLA 150 NEW		56 - 45 mins	107 - 86 mins	44 - 36 mins	88 - 77 mins	133 - 107 mins
FSA 110 R	AutoCut line head	45 - 25 mins	90 - 45 mins	30 - 20 mins	80 - 40 mins	120 - 60 mins
	PolyCut plastic blades	90 - 50 mins	170 - 90 mins	60 - 40 mins	160 - 80 mins	240 - 120 mins
FSA 120	AutoCut line head	25 mins	45 mins	20 mins	40 mins	60 mins
	GrassCut blade	50 mins	75 mins	40 mins	80 mins	130 mins
FSA 140	AutoCut line head	22 mins	43 mins	16 mins	33 mins	53 mins
	GrassCut blade	39 mins	96 mins	30 mins	59 mins	119 mins
FSA 200	AutoCut line head	-	30 mins	-	20 mins	40 mins
	GrassCut blade	-	57 mins	-	32 mins	70 mins
FSA 400	AutoCut line head	-	-	-	-	25 - 15 mins
	PolyCut plastic blades	-	-	-	-	40 - 20 mins
	WoodCut circular saw blade	-	-	-	-	50 - 25 mins
BGA 110 NEW		70 - 12 mins	130 - 20 mins	50 - 8 mins	100 - 16 mins	150 - 24 mins
BGA 160		63 - 11 mins	121 - 15 mins	45 - 6 mins	90 - 12 mins	135 - 18 mins
BGA 250		24 - 11 mins	38 - 12 mins	17 - 7 mins	35 - 10 mins	53 - 15 mins
BRA 280 NEW		15 - 11 mins	28 - 10 mins	10 - 7 mins	21 - 8 mins	33 - 13 mins
BRA 600 (using 2x batteries)		-	22 - 11 mins	-	23 - 15 mins	35 - 19 mins
BTA 140 (with 150mm auger) NEW		80 mins	145 mins	60 mins	120 mins	180 mins

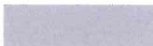
ALLPRO BATTERY WORKING TIMES

	 AP 20.1	 AP 30.1	 AP 100 P	 AP 200 P	 AP 300 P/PC
TSA 230.1	-	-	-	19 - 12 mins	29 - 18 mins
TSA 300	-	-	-	13 - 7 mins	22 - 12 mins
TSA 350 NEW	-	-	-	12 - 6 mins	20 - 11 mins
TSA 500 (using 2x batteries) NEW	-	-	-	24 - 12 mins	40 - 20 mins
SHA 140	30 - 19 mins	58 - 37 mins	24 - 15 mins	47 - 30 mins	71 - 45 mins
ASA 140 NEW	-	8,500 cuts	3,500 cuts	7,000 cuts	10,500 cuts
SGA 85	770 mins	1440 mins	590 mins	820 mins	-
KGA 770	129 mins	250 mins	100 mins	200 mins	300 mins
REA 100 PLUS	-	43 - 13 mins	18 - 7 mins	36 - 12 mins	54 - 16 mins
SEA 100	22 - 13 mins	42 - 25 mins	19 - 11 mins	38 - 23 mins	57 - 34 mins
MOWERS - MAX AREA COVERAGE					
RMA 448 PV	260 m ²	480 m ²	200 m ²	400 m ²	600 m ²
RMA 453.3 PV	230 m ²	430 m ²	180 m ²	360 m ²	540 m ²
RMA 2 RV	320 m ²	730 m ²	250 m ²	600 m ²	900 m ²
RMA 7 RV (using 2x batteries)	-	760 m ²	-	620 m ²	930 m ²

BATTERY CHARGERS TECHNICAL DETAILS

	 AL 1802 MO NEW	 AL 101	 AL 301	 AL 301-4	 AL 501
Type	Mobile multi fast charger	Charger	Charger	Multi charger	Fast charger
Battery slots	2	1	1	4	1
Max. charging current (A)	42 A	1.6 A	6.5 A	4x 6.5 A	12 A
Power (W)	1800 W	68 W	276 W	276 W	510 W
AP 20.1 (80% / 100%) NEW	25 / 40 min sequential	115 / 150 min	30 / 45 min	30 / 45 min sequential	25 / 40 min
	25 / 40 min parallel				
AP 30.1 (80% / 100%) NEW	30 / 45 min sequential	215 / 280 min	55 / 75 min	55 / 75 min sequential	30 / 45 min
	30 / 45 min parallel				
AP 100.0 P (80% / 100%) NEW	9 / 20 min sequential	80 / 110 min	20 / 30 min	20 / 30 min sequential	10 / 20 min
	9 / 20 min parallel				
AP 200.0 P (80% / 100%) NEW	9 / 20 min sequential	160 / 215 min	40 / 60 min	40 / 60 min sequential	20 / 35 min
	12 / 25 min parallel				
AP 300.0 P / PC (80% / 100%) NEW	9 / 20 min sequential	235 / 330 min	60 / 90 min	60 / 90 min sequential	30 / 50 min
	18 / 30 min parallel				

 Recommended battery*

 Reduced performance

 Not compatible

The ALLPRO battery working times and area specifications for each battery charge are estimates and may vary depending on how the tool is used and what is being cut.

* Recommendation based on working time and weight of battery



CHARGE MANAGEMENT

Alongside a comprehensive range of batteries and chargers, STIHL offers a wide portfolio of charge management solutions designed to integrate seamlessly into professional working life. Whether charging on-site, in a vehicle, back at the workshop during a break, or overnight, there is a solution to suit every operational requirement. STIHL provides both rapid and controlled charging solutions for indoor and outdoor use, helping professionals keep their tools powered and ready for work.

STIHL BATTERY CHARGERS SINGLE, MULTI-SLOT & FAST CHARGING SOLUTIONS

A comprehensive range of chargers designed for professional users, from compact single-battery chargers, multi-slot chargers and rapid charge solutions. Whether the priority is portability, charging speed, or workshop efficiency, there is a charger to suit every application.

- **AL 101** – Entry level charger for overnight charging and lower-capacity batteries.
- **AL 301** – Fast charger offering an excellent balance of charging speed and efficiency.
- **AL 501** – High-performance rapid charger designed to minimise downtime and maximise productivity.
- **AL 301-4** – Sequentially charges up to four batteries from a single unit, ideal for workshops and vehicle installations.
- **AL 1802 MO** – STIHL's fastest charger, featuring a dual-slot design that can charge two batteries simultaneously or in parallel, depending on user demand. Designed for professional applications, it can charge ALLPRO Performance batteries to 80% in as little as 9 minutes.*

*Time taken to reach 80% charge at ambient/battery temperatures of 25–40 °C when used with the AL 1802 MO. Applies to ALLPRO batteries AP 100 P, AP 200 P and AP 300 P(C).



PS 2000 PORTABLE POWER SUPPLY

For recharging batteries and operating electrical devices away from a power source

The STIHL PS 2000 provides reliable off-grid power for charging batteries and operating electrical devices wherever work takes place. With a capacity of 2,000 Wh and a 2 kW continuous output, it can charge multiple batteries throughout the working day. Built for professional use, the PS 2000 offers more than 3,000 charge cycles, IPX4-rated protection, and multiple output options for maximum flexibility. Capacity can be expanded by connecting additional units, and the system can be paired with the STIHL Solar MPPT charger for charging via solar panels.



CM 12

CHARGING MANAGEMENT SYSTEM

Operate up to twelve chargers from a single socket

The STIHL CM 12 Charging Management System provides an efficient way to manage battery charging in professional environments. Supporting up to twelve chargers from a single socket, the CM 12 efficiently distributes the available current between connected chargers, helping to prevent the fuse from being tripped. Three prioritized sockets allow selected batteries to be charged faster when needed. Efficient use of the available electrical infrastructure helps ensure batteries are ready for the next working day.



CB 1 CHARGING BOX

Mobile charging solution for work vehicles

The STIHL CB 1 is a mobile charging and transport solution, capable of charging and carrying up to eight ALLPRO batteries. Suitable for mounting underneath a vehicle or on a flatbed truck or trailer, it provides a simple way to charge batteries on the work site or at the workshop. The unit accommodates two AL 301-4 chargers.



CR 6 WALL MOUNTED CHARGING RACK

Charging solution designed for professionals

The STIHL CR 6 Charging Rack is a wall-mounted solution designed to maximise workshop space and organise battery charging. It can accommodate up to eight AL 101 chargers or up to six AL 301 or AL 501 chargers. Compatible with the CM 12 Charging Management System, it helps keep batteries organised, charged, and ready for work.



ASECOS SECURE CABINETS

FOR BATTERY CHARGING & STORAGE

Prioritise safety for your business

STIHL has partnered with Asecos, a leading manufacturer of battery charging and storage cabinets, to provide a professional charging solution for battery-powered fleets. Designed for seamless integration with STIHL chargers, the cabinets offer 90 minutes of fire protection, along with smoke detection, ventilation, and integrated warning systems. Optional alarm forwarding can notify staff or monitoring centres in the event of an incident, while an integrated transport base allows the cabinet to be quickly relocated outdoors if required.