

STIHL AS SYSTEM BATTERY WORKING TIMES



BATTERY POWER ^①			28 Wh
BATTERY CHARGING TIME, CAPACITY: 80% / 100%			60 min / 80 min
WORKING TIME / EXAMPLE USE PER BATTERY CHARGE ^② (up to...)			
GTA 26	25 min	80 cuts	When sawing branches (Ø 4 cm) up to...
HSA 26	110 min	30 boxwood balls	Trim up to...
HSA 30 NEW	50 min	50 m ²	Up to... of hedge
HSA 40 NEW	80 min ^③	80 m ² ③	
FSA 30 NEW	19 min	200 m / 45 m ²	Lawn edges: up to... / Lawn: up to...
SEA 20	14 min	-	-

- ① Power capacity according to the specifications of the cell manufacturer
- ② The 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
- ③ Refers to two AS 2 batteries

STIHL AI LINE BATTERY WORKING TIMES

WORKING TIME / EXAMPLE USE PER BATTERY CHARGE ^① (up to...)			
HSA 45	40 min	80 m ²	Up to... of hedge
BGA 45	10 min	200 m ²	Dry leaves on driveway: up to...
FSA 45	20 min / 12 min	250 m / 50 m ²	Lawn edges: up to... / Lawn: up to...

- ① The 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



STIHL BATTERY FAQ

Which battery system is right for me?

- AP System tools are designed for demanding use by professional landscapers and contractors.
- AK System tools are designed for ambitious homeowners with large gardens.
- AS System and AI Line tools are designed for homeowners with small gardens.

What are the benefits of battery tools compared to petrol?

Battery tools are generally lighter, quieter and have less vibration than petrol tools, whilst also having zero emissions at the point of use for a better working environment. Maintenance is often simplified too, with fewer filters and components requiring regular attention. Finally, the running costs are significantly lower when comparing the price of petrol and electricity, making them an economic choice for professionals.

What technology do STIHL batteries feature?

STIHL batteries benefit from constant power output, meaning the performance stays consistently high all the way through the charge, unlike other battery types. Many AP System batteries also feature Connectivity, allowing the user to gather valuable information about their fleet of battery tools.

What can impact the working time of a battery tool?

Using chainsaws as an example, the wood type (hard / soft), diameter, chain tension, chain condition, power setting and feed pressure are all factors that can impact working time. Quoted working times should be used as a guide only.

Can STIHL batteries be used in the rain?

AP System batteries are IPX4 rated and can be used in wet weather. AK, AS and AI batteries should not be used in the rain.

How should batteries be stored?

Batteries should be stored separate to the tool in a secure and dry location, away from direct sunlight and children. The optimum charge level for STIHL batteries in long term storage is 40-60%. The maximum temperature range is between -10°C and 50°C.

How should batteries be charged?

Batteries require an ambient temperature of above 5°C to charge. The battery is fully charged when all 4 LED lights turn off. Only the AL 301-4 multi-charger is certified for charging in a moving vehicle.

What is the lifespan of a STIHL battery?

All STIHL batteries use high quality and long-lasting lithium-ion cells for a long service life. AP System batteries with round cells can be fully re-charged up to 1,200 times, while the AP 500 S utilises laminate cells which can be recharged up to 2,400 times.

FOR MORE INFORMATION ON STIHL BATTERY TECHNOLOGY VISIT STIHL.CO.UK.

STIHL AK SYSTEM

BATTERY WORKING TIMES



BATTERY POWER [Ⓞ]		72 Wh	144 Wh	180 Wh	
PRODUCT CATEGORY	BATTERY CHARGING TIMES, CAPACITY: 80% / 100%				
Chargers	AL 101	70 / 95 min	135 / 180 min	160 / 205 min	
	AL 301	25 / 40 min	30 / 50 min	35 / 60 min	
WORKING TIME / EXAMPLE USE PER BATTERY CHARGE [Ⓞ] (up to ...)					
Chainsaws	MSA 60 C-B	18 min / 60 cuts	40 min / 160 cuts	55 min / 190 cuts	When sawing square timber (10 × 10 cm): up to...
	MSA 70 C-B	18 min / 60 cuts	40 min / 160 cuts	45 min / 210 cuts	
Hedge trimmers	HSA 50	50 min / 175 m ²	100 min / 350 m ²	130 min / 420 m ²	Up to... of hedge
	HSA 60	70 min / 220 m ²	140 min / 490 m ²	175 min / 560 m ²	
Long-reach hedge trimmer	HLA 56	50 min / 190 m ²	100 min / 380 m ²	120 min / 460 m ²	
Pole pruner	HTA 50	25 min / 80 cuts	45 min / 170 cuts	60 min / 220 cuts	When sawing square timber (10 × 10 cm): up to...
Grass trimmers	FSA 57 (with line mowing head)	25 min / 625 m / 125 m ²	50 min / 1,250 m / 250 m ²	60 min / 1,500 m / 300 m ²	Lawn edges: up to... / Lawn: up to...
	FSA 60 R [Ⓞ] (with line mowing head)	13 min / 500 m / 100 m ²	30 min / 1,250 m / 250 m ²	38 min / 1,500 m / 300 m ²	
Brushcutters	FSA 80 R NEW	12 - 8 min [Ⓞ] / 500 m / 100 m ²	25 - 15 min [Ⓞ] / 1,250 m / 250 m ²	30 - 20 min [Ⓞ] / 1,500 m / 300 m ²	Lawn edges: up to... / Lawn: up to...
	FSA 80 NEW	20 - 10 min [Ⓞ] / 1,000 m / 200 m ²	50 - 30 min [Ⓞ] / 2,500 m / 500 m ²	60 - 40 min [Ⓞ] / 3,000 m / 600 m ²	
Blowers	BGA 57	10 min / 380 m ²	22 min / 760 m ²	27 min / 900 m ²	Dry leaves on driveway: up to...
	BGA 60	9 min [Ⓞ] / 380 m ² [Ⓞ]	13 min [Ⓞ] / 760 m ² [Ⓞ]	16 min [Ⓞ] / 900 m ² [Ⓞ]	
Vacuum / blower	SHA 56	12 min / 38 m ² / 300 m ²	25 min / 75 m ² / 600 m ²	30 min / 90 m ² / 700 m ²	Dry leaves on driveway in vacuum mode / blowing mode up to...
KombiEngine	KMA 80 R (FS-KM, grass-cutting blade) NEW	20 - 10 min [Ⓞ] / 1,000 m / 200 m ²	40 - 20 min [Ⓞ] / 2,500 m / 500 m ²	50 - 30 min [Ⓞ] / 3,000 m / 600 m ²	Lawn edges: up to... / Lawn: up to...
Lawn mowers	RMA 235	150 m ²	300 m ²	400 m ²	Lawn: up to...
	RMA 239 C	120 m ²	250 m ²	330 m ²	
	RMA 243.3 NEW	115 m ²	230 m ²	300 m ²	
	RMA 248.3 NEW	110 m ²	220 m ²	285 m ²	
	RMA 248.3 T NEW	130 m ²	260 m ²	340 m ²	
	RMA 253.3 NEW	105 m ²	210 m ²	275 m ²	
	RMA 253.3 T NEW	125 m ²	250 m ²	325 m ²	
	RMA 443.3 NEW	115 m ²	230 m ²	300 m ²	
	RMA 443.3 V NEW	135 m ²	270 m ²	350 m ²	
Rear-roller lawn mower	RMA 448.3 V NEW	130 m ²	260 m ²	340 m ²	
Rear-roller lawn mower	RMA 448.3 RV NEW	130 m ²	260 m ²	340 m ²	
Scarifier	RLA 240	96 m ² [Ⓞ]	190 m ² [Ⓞ]	250 m ² [Ⓞ]	

■ Recommended battery
■ Reduced tool performance

[Ⓞ] Power capacity according to the specifications of the cell manufacturer
[Ⓞ] The 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
[Ⓞ] With higher output power tools, the same work is completed more quickly, e.g. with the FSA 60 R compared to the FSA 57

[Ⓞ] Level 1 - Level 2
[Ⓞ] In Boost mode
[Ⓞ] When working in an area, only move the tool in one direction (no crossing-over)

STIHL AP SYSTEM

BATTERY WORKING TIMES



	BATTERY POWER [Ⓞ] (Wh)	187	281	337	1,015	1,520
PRODUCT CATEGORY	BATTERY CHARGING TIMES, CAPACITY: 80% / 100% (min)					
Chargers	AL 101	150 / 200	230 / 300	280 / 355	-	-
	AL 301	40 / 55	55 / 80	70 / 90	220 / 290	330 / 430
	AL 301-4	40 / 55	55 / 80	70 / 90	220 / 290	330 / 430
	AL 500	30 / 45	30 / 45	40 / 55	110 / 150	170 / 220
	WORKING TIME PER BATTERY CHARGE [Ⓞ] (up to ... min)					
Chainsaws	MSA 160 C-B	42	62	74	195	300
	MSA 200 C-B	42	50	60	175	260
	MSA 220 C-B	32	37	44	220	310
	MSA 300	-	-	20 - 44 [Ⓞ]	-	-
Top handle chainsaws	MSA 161 T	42	62	74	195	300
	MSA 220 T / MSA 220 TC-O	16	29	34	109	174
Pole pruners	HTA 66	42	68	82	210	300
	HTA 86	42	68	82	210	300
	HTA 135	22	70	54	160	240
	HTA 150 NEW	30	60	68	222	333
	HTA 160 NEW	36	70	80	262	393
Grass trimmer	FSA 86 R with line mowing head / with PolyCut	35 / 60	52 / 85	62 / 102	185 / 300	280 / 450
Brushcutters	FSA 120 with grass-cutting blade NEW	60 - 40 [Ⓞ]	100 - 60 [Ⓞ]	130 - 70 [Ⓞ]	380 - 200 [Ⓞ]	510 - 280 [Ⓞ]
	FSA 120 R with line mowing head NEW	30 - 20 [Ⓞ]	50 - 30 [Ⓞ]	60 - 35 [Ⓞ]	200 - 120 [Ⓞ]	300 - 170 [Ⓞ]
	FSA 135 with grass-cutting blade	50 - 30 [Ⓞ]	100 - 50 [Ⓞ]	120 - 60 [Ⓞ]	310 - 160 [Ⓞ]	430 - 240 [Ⓞ]
	FSA 135 R with nylon mowing head	28 - 17 [Ⓞ]	45 - 25 [Ⓞ]	54 - 30 [Ⓞ]	160 - 90 [Ⓞ]	220 - 130 [Ⓞ]
	FSA 200 with grass-cutting blade NEW	32 - 16 [Ⓞ]	60 - 30 [Ⓞ]	70 - 35 [Ⓞ]	210 - 105 [Ⓞ]	315 - 150 [Ⓞ]
	FSA 200 with line mowing head NEW	20 - 10 [Ⓞ]	32 - 16 [Ⓞ]	40 - 20 [Ⓞ]	120 - 60 [Ⓞ]	180 - 90 [Ⓞ]
Reciprocating brushcutter	RGA 140	50 - 30 [Ⓞ]	100 - 50 [Ⓞ]	120 - 60 [Ⓞ]	310 - 160 [Ⓞ]	430 - 240 [Ⓞ]
Hedge trimmers	HSA 100	150	225	270	1,135	1,700
	HSA 130 R / HSA 130 T	108 - 84 [Ⓞ]	167 - 130 [Ⓞ]	200 - 155 [Ⓞ]	690 - 565 [Ⓞ]	985 - 800 [Ⓞ]
Long-reach hedge trimmers	HLA 66	144	223	268	715	1,040
	HLA 86	144	223	268	715	1,040
	HLA 135	64	95	114	345	520
KombiEngines	KMA 120 R with FS-KM, line mowing head [Ⓞ] NEW	30 - 15 [Ⓞ]	50 - 25 [Ⓞ]	60 - 30 [Ⓞ]	180 - 90 [Ⓞ]	270 - 130 [Ⓞ]
	KMA 120 R with FS-KM, grass-cutting blade [Ⓞ] NEW	60 - 35 [Ⓞ]	100 - 55 [Ⓞ]	120 - 60 [Ⓞ]	360 - 180 [Ⓞ]	490 - 260 [Ⓞ]
	KMA 135 R with FS-KM, line mowing head [Ⓞ]	28 - 14 [Ⓞ]	45 - 22 [Ⓞ]	54 - 26 [Ⓞ]	160 - 80 [Ⓞ]	200 - 115 [Ⓞ]
	KMA 135 R with FS-KM, grass-cutting blade [Ⓞ]	50 - 30 [Ⓞ]	100 - 50 [Ⓞ]	120 - 60 [Ⓞ]	310 - 160 [Ⓞ]	430 - 240 [Ⓞ]
Cut-off machine	TSA 230	14	22	26	80	125
Sweeper	KGA 770	168	260	312	-	-
Sprayer	SGA 85	1,000	-	-	-	-
Blowers	BGA 86	17	26	31	90	140
	BGA 100	66, 28, 17, 12 [Ⓞ]	103, 44, 26, 20 [Ⓞ]	123, 52, 31, 24 [Ⓞ]	375, 160, 100, 75 [Ⓞ]	555, 225, 140, 105 [Ⓞ]
	BGA 200	49, 21, 11, 7 [Ⓞ]	95, 38, 20, 14 [Ⓞ]	114, 45, 24, 17 [Ⓞ]	315, 146, 76, 53 [Ⓞ]	500, 220, 117, 85 [Ⓞ]
Backpack blower	BGA 300	16, 13, 13, 13 [Ⓞ]	25, 18, 14, 10 [Ⓞ]	29, 21, 17, 12 [Ⓞ]	97, 72, 57, 48 [Ⓞ]	140, 105, 83, 61 [Ⓞ]
	RANGE PER BATTERY CHARGE [Ⓞ] (up to ... m ²)					
Lawn mowers	RMA 453.3 PV NEW	300	450	540	-	-
	RMA 765 V	-	400	480	2,050	3,100
Mulching lawn mower	RMA 2 RPV	420	630	760	-	-

■ Recommended battery
■ Reduced tool performance
- Not recommended

[Ⓞ] Power capacity according to the specifications of the cell manufacturer.
[Ⓞ] The 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

[Ⓞ] Working times when used with other KombiTools are available at stihl.co.uk
[Ⓞ] Level 1 - level 3 / 4
[Ⓞ] The working time per battery charge varies depending on the operating mode selected