

THE NEWLY-REFINED VANMOOF S5 & A5

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VANMOOF

THE VANMOOF S5 & A5

Packed with industry-leading VanMoof tech and refined to give you an entirely frictionless riding experience, these fully-integrated e-bikes are the most advanced on the roads.



VANMOOF

SWEAT-FREE

Rides like whoooooooooosh

Confront each hill and headwind with confidence. Our Gen 5 motor adapts to all urban landscapes so you can ride through the streets with ease.

Want an extra shot of adrenaline? Just hit the Boost button and prepare to accelerate at warp speed. It feels so good, you might wish you could ride until the sun goes down. And thanks to our long-range battery, you can.

Gen 5 Turbo Boost

A blast of instant acceleration at the touch of a button.

Gen 5 Motor

The E-shifter, torque sensor, and integrated battery work together as an intuitive power system to give you the smoothest, most silent riding experience.

Long range battery

Our long-range integrated battery lets you ride all day long... and still have plenty of juice left.

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FUSS-FREE

It's that easy

This bike anticipates your every move. All the live data you need, from speed to battery level, are on your handlebars. And all your bike's info including navigation and ride data lives in the VanMoof app on your phone (which you can mount and charge on the bike). When it comes to locking up, everything is keyless.

Halo Ring Interface

Responsive LED light ring display integrated in the handlebar that indicates your speed, battery level and more.

Phone mount

With USB charging.

Gen 5 Kick Lock

Our in-wheel lock is armed with a tap of your toe, and unlocks automatically when you return.



VANMOOF

CARE-FREE

We've got you covered

Every VanMoof comes fully loaded with our iconic anti-theft technology and ultra-low maintenance parts. Integrated wiring, locks and lighting means you can focus on what's most important – enjoying your ride. If your bike needs servicing, you can rely on our partner network to get you back on the road in no time.



Integrated Anti-Theft Tech

Our iron-clad protection including alarms and remote lockdown mode puts bike thieves out of business.

Ultra-low maintenance

Integrated wiring, locks, and lighting. Ultra-low maintenance, high-quality parts.

VanMoof partner network

Our trusted network of e-bike specialists will make sure you get fixed up, fast.

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FEATURES OVERVIEW



Halo Ring Interface
Bike info from the handlebars



Anti-theft tech
Iron-clad security



Gen 5 motor
Seamless and silent riding experience



Gen 5 Turbo Boost
Instant acceleration



Phone mount and charger
VanMoof app dashboard navigation



Gen 5 Kick Lock
Automatic locking and unlocking

SPECS VANMOOF S5 & A5

Power

Front wheel hub motor

Power: 250W
48V
Boost torque: 62Nm (S5) 58Nm (A5)
Torque sensor
4 custom power levels

Integrated Battery

Capacity: 487Wh (S5) & 463Wh (A5)
Removable for servicing

Range*

60 km ~ 150 km (S5)
55 km ~ 140 km (A5)
*Full power ~ Economy mode

Gen 5 Charger

48V 2A
6h 30 min (0 - 100%)
2h 30 min (0 - 50%)
Smart charger
Software remotely updatable

Size: 145 X 67 X 34 cm
Weight: 0.61kg including AC and DC cord (EU Plug)
Cable length:
Outlet to power adapter: 150 cm (59.05 in)
Power adapter to bike: 180 cm (70.86 in)
Compatible with S5 and A5

Security

Updated smart Kick Lock, with auto-retract pin
Automatic Rider Recognition
With Manual Disarm
Anti-theft nuts

Size

Unisex A frame: for riders 155-200cm
Weight: 22 kg
Wheels: 24"

Unisex S frame: for riders 165-210cm
Weight: 23 kg
Wheels: 27.5"

Parts

Lights

Gen 5 Hi-Vis Lights
*EU/UK: ISO 6742-1 & Germany: K mark
Halo Ring Interface

Handlebars

One-piece adjustable handlebar and stem
With VanMoof co-designed SP CONNECT phone mount.
With USB Type-C (5V) charging port

Brakes

Front & rear perforated Gen 5 Hydraulic Disc Brakes

Powertrain

Integrated automatic 3-speed hub
Automatic smart shifting for most natural shifting
Immediate motor response (torque sensor)

Chain

Fully enclosed drivetrain
Automatic chain-tensioning system

Saddle

One-piece integrated design

Wheels

Anodized aluminum rims
Stainless steel spokes

VanMoof Gen 5 Tires

with premium puncture protection

Electronics

Sensors: Temperature & Humidity and Light
Radio Interfaces: BLE, LTE-M, NB-IOT, GPS, NFC



S5



A5

COMPARED TO VANMOOF S3 & X3

		VANMOOF S3 & X3	VANMOOF S5 & A5
Power	Front wheel hub motor		
	Power	250 W	250 W
	Custom power levels	4 power levels	4 power levels
	Super strong boost	59 Nm	68 Nm
	Integrated battery		
	Capacity	504Wh	487Wh (S5) & 463Wh (A5)
	Integrated	18650 cells from LG	21700 cells from LG and Panasonic
	Removable for servicing	✓	✓
	Range*		
	*Full power ~ Economy mode	37 - 93 mi	60 km ~ 150 km/ 37 - 93 mi (S5) 55 km ~ 140 km/ 34 - 87 mi (A5)
	Charger		
	Power	36V 4A	48V 2A
	Hours for full charge	4	6h 30 min (0 - 100%)
	Minutes for 50% charge	80	2h 30 min (0 - 50%)
			Smart charger Software remotely updatable
Security		Smart Kick Lock Integrated Theft Defense Automatic Rider Recognition Manual disarm with personal code Anti-theft nuts and bolts	Gen 5 Kick Lock, with auto retract pin Integrated Theft Defense Automatic Rider Recognition Manual disarm with personal code Anti-theft nuts and bolts
Size	For riders	S3 Unisex	S5 Unisex
		170-210 cm / 5'8" - 6'8"	165-210 cm/ 5'4" - 6'8"
		Weight	23 kg
	For riders	Wheels	28"
		X3 Unisex	A5 Unisex
		155-200 cm/5' - 6'5"	155-200 cm/5' - 6'5"
	Weight	21 kg	22 kg
		Wheels	24"
	Wheels	24"	24"



UPDATED & UPGRADED

As well as making mechanical improvements, such as a new motor cable bracket and reinforced brake levers, we've developed new firmware to refine the complete riding experience. From honed E-shifter calibration and Bluetooth connectivity, to optimised power consumption and functionality of the Halo Rings and hi-vis lights, we've made sure your ride is even smoother in every way.

VanMoof technicians will now perform an additional quality check in the Netherlands. They'll also update and charge your VanMoof S5 or A5 before we ship your bike to you so you can just unbox, and go.

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ABOUT VANMOOF

VanMoof was founded in Amsterdam in 2009 with the ambition to create the perfect city bike. Today, its multi-award winning e-mobility collection offers a design-focused, high-tech and feature-rich experience for a global community of city riders.

In 2023 VanMoof was bought by McLaren Applied, which established a new leadership and a new rider-focused vision. As well as selling its rides directly online, VanMoof outsources servicing and sales to its ever-expanding partner network of e-mobility specialists and retailers in 64 locations across seven countries, from Paris and London to Berlin and Copenhagen.

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