

Product Name	Spec	X420 (Gray)/X420 (Black)	X450 (Gray)X450(Black)
Overall Dimensions	Recommended Mowing Area	2000m ²	5000m ²
	Max Mowing Area	2400m ²	6000m ²
	Dimensions LxWxH (mm)	850x610x351mm	
	Net Weight (Kg)	28.8kg	29.2kg
Key features	Locating System <i>举例: EFLS2.0 (140° RGB Camera+ 3Frequency RTK+Vslam)</i>	EFLS NRTK (NRTK+360°Vision+VIO)	
	Object Detection System <i>举例: VisionFence (140°RGB Camera)</i>	VisionFence (360°RGB Camera + ToF)	
	Driving Engine <i>举例: 3 wheel AWD/ 2 Rear Wheel</i>	4WD with dual independent steering motors	
	Noise Level <i>举例: 58dB(A)</i>	68dB(A)	
	Protection Level <i>举例: IP66</i>	IP66	
	Weather Adaptive <i>举例: Weather Forecast</i>	Weather Forecast + New Rain Sensor	
	Maximum Slope Ability <i>举例: 45% (24°)</i>	84%(40°)	
	Antenna Installation Request	Optional	
	Auto-Mapping Y/N	Auto Mapping	
	Auto-Recharge	Yes	
	Vertical Passing Ability(cm/inch)	7cm (15cm for gentle slopes)	
	Multi-zone Management	Yes	
	GeoSketch	Yes	
	Signal Enhancement Antenna	Yes	
Efficiency	Battery Capacity	10Ah	15Ah
	Charging Time¹	75 min	100 min
	Full Charge Mowing Time²	90 min	130 min
	Full Charge Mowing Area	675m ²	1300m ²
	Continuous Mowing Area per Day (24)	2000m ² in 8hrs	5000m ² in 15hrs
Cutting System	Cutting Height(cm/inch)	2-9.5cm, 0.5cm increments	
	Cutting Height Adjustment Method	Auto	
	Cutting Width(cm/inch)	43cm	
	Floating Cut System	Yes	
	Anti-Clogging Cutting Disc	Yes	
	Cutting Disc	2	
Security & Safety	Number of Blades	6 for each cutting disc, 12 in total	
	GPS tracking	GPS + Findmy	
	Out-of-boundary Alarm	Yes	
	Lifted Alarm	Yes	
	Proximity Unlock	Yes	
	Findmy	Yes	
	PIN Code	Yes	
Warranty	Device&Charging station	3 years	
	Battery	2 years	
Others	Smart Home Integration	Alexa & Google Home	
	Connectivity (Bluetooth & Wi-Fi & 4G)	Bluetooth & Wi-Fi & 4G	
	Display	3.5in LCD Screen	
	Supports Expansion Accessories	No	
	OTA Updates	Yes	
	Navimow Cloud Service	Yes	
	Notes: 1. <i>Charging Time: Time required for the battery to charge from 10% to 100% capacity at 25°C;</i> 2. <i>Full Charge Mowing Time: At 25°C, continuous mowing duration from full charge (100%) until low battery return to dock (on a rectangular, flat lawn with Manila grass, 60mm height cut to 55mm).</i> 3. <i>Mowing Area per Charge: At 25°C, the total area covered by the battery from a full charge (100%) until low battery return to the base station (on a rectangular, flat lawn with Manila grass, cutting from 60mm to 55mm).</i>		