

GOAT stops working and returns to the Charging Station.	E674	The battery temperature is out of range.	1. Place the GOAT in an area with an appropriate temperature, or wait until the battery temperature returns to normal. 2. Restart the GOAT.
	E641 E642	The LiDAR Sensor temperature is out of range.	1. Place GOAT in an area with an appropriate temperature, or wait until the temperature returns to normal. 2. Restart GOAT.
	E643	There is an error positioning.	1. Control/place GOAT back at the Charging Station and restart it. 2. Restart GOAT.
	/	The battery voltage is low.	Wait until the battery is fully charged.
	/	The Rain Sensor is triggered, or it is the end of a scheduled task.	Normal phenomenon, please wait until the task resumes, or you can change the rain delay setting or schedule on the APP.
The GOAT is not operating at the correct time.	/	The schedule for the GOAT is not correct or the timezone is not correct.	Please check if the settings are correct.
	/	GOAT automatically starts the recutting task, due to reasons like recharging, rain delay.	You can also set the "Animal Protection" time on the APP to limit the time GOAT can operate.
Other Issues or Situations.	/	Any other abnormal phenomena.	1. You can check the error message on the APP for detailed information. 2. Resolve the issue, and then you can restart the GOAT to resume operation. 3. If the problem still exists, please contact the Customer Service.

8. Technical Specifications

Basic Information	Product Name	Lawn Mowing Robot	
	Model	ECOVACS GOAT A1600 LiDAR PRO	ECOVACS GOAT A3000 LiDAR PRO
		MR2507/MR2507A/MR2507B	MR2507D/MR2507E/MR2507F
	Brand	ECOVACS	
	Dimensions: Length (mm) × Width (mm) × Height (mm)	680*540*336 (26.8"*21.3"*13.2")	
GOAT Parameters	Net Weight (kg) (Battery Included)	17.8 (39.24 lb)	18.3 (40.34 lb)
	Rated Voltage	37.8V ---	
	Working Capacity (m ²)	1600 (2/5 acre)	3000 (3/4 acre)
	Cutting Width (cm)	33 (13.0")	
	Trimming Width (cm)	18 (7.09")	
	Cutting Height (cm)	3-9 (1.2"-3.6")	
	Charging Time (min.)	50±5	70±5
Noise Emissions	Measured Sound Power Level L _{WA}	62 dB(A)	
	Sound Power Uncertainties K _{WA}	3 dB(A)	
	Sound Pressure Level L _{pA}	54 dB(A)	
	Sound Pressure Uncertainties K _{pA}	3 dB(A)	
Trimmer Noise Emissions	Measured Sound Power Level L _{WA}	82 dB(A)	
	Sound Power Uncertainties K _{WA}	3 dB(A)	
	Sound Pressure Level L _{pA}	74 dB(A)	
	Sound Pressure Uncertainties K _{pA}	3 dB(A)	

Connectivity Frequency Range	Bluetooth®	2400MHz ~ 2483.5MHz
	Wi-Fi	2400MHz ~ 2483.5MHz
	Cellular Network (purchased)	WCDMA: BAND I: Uplink:1920-1980MHz,Downlink:2110-2170MHz BAND VIII: Uplink:880-915MHz,Downlink:925-960MHz LTE:E-UTRA BAND 1: Uplink:1920-1980MHz,Downlink:2110-2170MHzE-UTRA BAND 3: Uplink:1710-1785MHz,Downlink:1805-1880MHzE-UTRA BAND 7: Uplink:2500-2570MHz,Downlink:2620-2690MHzE-UTRA BAND 8: Uplink:880-915MHz,Downlink:925-960MHzE-UTRA BAND 20: Uplink:832-862MHz,Downlink:791-821MHzE-UTRA BAND 28: Uplink:703-748MHz,Downlink:758-803MHzE-UTRA BAND 38: Uplink:2570-2620MHz,Downlink:2570-2620MHzE-UTRA BAND 40: Uplink:2300-2400MHz,Downlink:2300-2400MHz Available frequency bands for LTE Band 28 in Europe are 703-736MHz(TX),758-791MHz(RX)
	GNSS (purchased)	BDS: 1559 MHz -1610 MHz Galileo: 1559MHz-1610MHz, 1164MHz - 1215MHz, 1215MHz - 1300MHz GLONASS: 1559 MHz -1610 MHz, 1215MHz -1300MHz GPS: 1559MHz - 1610MHz, 1215MHz - 1300MHz, 1164MHz - 1215MHz
MAX. radio-frequency power	Bluetooth®	≤20dBm
	Wi-Fi	≤20dBm
	Cellular Network (purchased)	WCDMA:+24dBm+1.7/-3.7dB LTE: E-UTRA Band28:23dBm+2.7/-3.2dB other Bands:23dBm±2.7dB
	GNSS (purchased)	Only receive but not transmit
Driving Motor	Rated Speed (r/min)	34.7
	Top Speed (r/min)	60.8
Blade Motor	Speed (r/min)	3000
Trimmer Motor	Speed (r/min)	8500

Battery (GOAT)	Battery Type	Lithium-ion	
	Rated Voltage	32.4V ===	
	Battery Capacity	3000 mAh	7500 mAh
Power Supply	Supply Unit Model	GM152-3780300-2DG GM152-3780300-3DG GM152-3780300-SDG BLJ125W378300P-SW BLJ125W378300P-V BLJ125W378300P-B	GM403-3780500-2DG GM403-3780500-3DG GM403-3780500-SDG BLJ240W378500P-SW BLJ240W378500P-V BLJ240W378500P-B
	Input Voltage	100 - 240 V~ 50-60Hz	
	Output Voltage	37.8V ===	
	Output Current	3A	5A
Station	Model	CH2491C	CH2491D
	Input Voltage	37.8V ===	
	Input Current	3A	5A
	Output Voltage	37.8V ===	
	Output Current	3A	5A

Note: Technical and design specifications may be changed for continuous product improvement.
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