



An Roinn Iompair
Department of Transport

Micro Mobility:
Overview Table of e-scooters, e-bikes & e-mopeds

Vehicle definitions, specifications, requirements, and restrictions

Micro Mobility – Vehicles, Specifications, Requirements and Restrictions

		Technical Specifications					Legal Requirements							Road Type usage					
Vehicle	Type	MPV ¹	Max Power (Watts)	Max. Speed	Pedalling required	Max. Weight (incl. batteries)	Age Limit	EU-Type Approval	Registration	Motor Tax	Insurance	Protective Equipment	Driver's Licence	Footpath	Cycle Lane ²	Bus Lane	Local/Regional Roads	National Roads	Motorways
E-scooter ³	Low-power	No	400W	<= 20Km/h	N/A	25kg	16	N/A	No	No	No	Advised ⁴	No	No	Yes	Yes	Yes	Yes	No
	High-power	Yes	> 400W	> 20Km/h	N/A	>25kg	N/A	N/A	Not legal for public road use				No	No	No	No	No	No	No
Bicycle	Any	No	0W	N/A	Yes	N/A	No	N/A	No	No	No	Advised ⁴	No	No	Yes	Yes	Yes	Yes	No
E-bike ⁵	Low-power /Pedelec	No	250W	< 25Km/h	Yes	N/A	No	N/A	No	No	No	Advised ⁴	No	No	Yes	Yes	Yes	Yes	No
E-moped – L1e-A	Powered Cycle	Yes	1kW	<= 25km/h	Yes	N/A	16	Yes ⁶	Yes	Yes	No ⁷	Yes ⁸	No ⁹	No	Yes	Yes	Yes	Yes	No
	Throttle Bike	Yes	1kW	<= 25km/h	No	N/A	16	Yes ⁶	Yes	Yes	Yes ¹⁰	Yes ⁸	Yes ¹²	No	No	No	Yes	Yes	No
E-moped – L1e-B	2-wheel moped ¹¹	Yes	4kW	<= 45km/h	Yes	N/A	16	Yes ⁶	Yes	Yes	No ⁷	Yes ⁸	Yes ¹²	No	No	No	Yes	Yes	No
	Throttle Bike ¹³	Yes	4kW	<= 45km/h	No	N/A	16	Yes ⁶	Yes	Yes	Yes	Yes ⁸	Yes ¹²	No	No	No	Yes	Yes	No

Table 1: Micro Mobility - Vehicles, Specifications, Requirements and Restrictions

Footnotes:

1. MPV is a Mechanically Propelled Vehicle. Under Irish Law, MPVs cover most road going vehicles – cars, motorbikes, vans, trucks, buses etc.
2. Cycle Lanes should be used where provided over other road types.
3. Commencement date for e-scooter regulations – 20th May 2024.
4. Safety equipment is recommended and strongly advised – Bicycle Helmet and Reflective High-Visibility clothing.
5. Commencement date for e-bike/e-moped provisions in Road Traffic and Roads Act 2023 – 20th May 2024.
6. Appropriate vehicle EU Category L type approval required - [EU Regulation 168/2013](#) Annex I - Vehicle Classification.
7. Pedal Assisted vehicles exempted from insurance requirements by EU Motor Insurance Directive
8. A motorcycle helmet is legally required. Reflective High-Visibility gear and protective clothing is strongly recommended.
9. Driving Licence exemption included in Road Traffic Act 2024.
10. An L1e-A E-Moped Throttle bike will require insurance if it weighs more than 25kg and has a maximum design speed of greater than 14km/h.
11. A 2-wheel moped is also known as a Speed Pedelec or an S-Pedelec.
12. Appropriate Category AM Driving Licence is required - Types of driving licence categories in Ireland (rsa.ie)
13. A powered electric bicycle or e-moped where power is provided by an electric engine and where a throttle can be used instead of pedalling.