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(Note: If a UL2272 certified device is not found in the list below, please notify us through www.lta.gov.sg/feedback)

Adoption of the UL2272 Certification for Motorised PMDs

To improve public safety and minimise fire incidents¹, all motorised Personal Mobility Devices (PMDs)² used on public paths must be certified to the UL2272 standard. Retailers are prohibited from selling non-UL2272 certified devices.

Do note that the UL2272 standard addresses the electrical and fire safety risks of PMDs, and does not test for its mechanical safety.

Read on to find out how to tell if a motorised PMD or the device is UL2272 certified.

How do I identify a UL2272 certified device?

Step 1: Recognise the certification mark

In order to be UL2272 certified, each device should be affixed with a certification mark. The table below lists the certification marks recognised by LTA to look out for. The list will be regularly updated if more certification bodies seek accreditation to test and certify devices to the UL2272 standard. You may contact us through www.lta.gov.sg/feedback for queries on the certification marks.

¹ For more information, please refer to clauses 4 and 35 of the Land Transport (Enforcement Measures) Bill at <https://sso.agc.gov.sg/Bills-Supp/29-2018/Published/20180806?DocDate=20180806>.

² This includes e-scooters, which must be registered, and other PMDs such as hoverboards which do not require registration.

Certification body	Certification Mark
UL	
CSA	
Intertek Testing Services	
Intertek Testing Services (Singapore) Pte Ltd	
SGS	
TUV Rheinland	

Certification body	Certification Mark
TUV SUD	

Step 2: Check the device for the certification mark

Such certification marks can usually be found underneath the footboard of the UL2272 certified device, along with the model number. For unicycles, it may be found underneath the footboard or on the side of the device.

Here are some examples of certification marks found on device labels³:



Please note that devices without the certification marks will not be considered UL2272 certified.

³ Please note that these examples are for illustration purposes only.

Note: This list is non-exhaustive, and is not meant to be an official approval, recommendation or endorsement of any of the devices found on this list. Consumers should make your own assessment based on your needs when purchasing a device.

Do also note that devices found on this list but do not carry any of the recognised certification marks cannot be considered to be certified to the UL2272 standard.

S/N	MODEL	MODEL NO.	CERTIFICATION MARK (Example for illustrative purposes only)
E-scooter Models [Please note that e-scooters used on public paths must also be registered with LTA]			
1	JBEAM 	Jetson Beam	
2	L1-1 	Tomoloo Electric Scooter L1	
3	GXL V2 	Gotrax GXL V2	

4	ES1 	Ninebot Segway ES1	 (Any of the 3 CSA certification marks)
5	ES2 	Ninebot Segway ES2	 (Any of the 3 CSA certification marks)
6	M365 	Xiaomi Mijia M365	 (Any of the 3 CSA certification marks)
7	PMD-F-06/7 	PMD-F-06/7	 (Any of the 3 SGS certification marks)

8	PMD-F-08 	PMD-F-08	 XXXXXX (Any of the 3 SGS certification marks)
9	PMD-F-09 	PMD-F-09	 XXXXXX (Any of the 3 SGS certification marks)
10	PMD-F-09S 	PMD-F-09S	 XXXXXX (Any of the 3 SGS certification marks)
11	Inokim Mini 2 	Inokim Mini 2	 XXXXXX (Any of the 3 SGS certification marks)

12	 Inokim Light 2	Inokim Light 2	 XXXXXX (Any of the 3 SGS certification marks)
13	 Freedom 5S	Freedom 5S	 XXXXXX (Any of the 3 SGS certification marks)
14	 YY-1	YY-1	 XXXXXX (Any of the 3 SGS certification marks)

15	YY-1S	YY-1S	 (Any of the 3 SGS certification marks)
16	YY-1 MAX	YY-1 MAX	 (Any of the 3 SGS certification marks)
17	YY-1S MAX	YY-1S MAX	 (Any of the 3 SGS certification marks)

18	EV	EV	 (Any of the 3 SGS certification marks)
19	EV2	EV2	 (Any of the 3 SGS certification marks)
20	MANTIS	MANTIS	 (Any of the 3 SGS certification marks)

21	FS1	eDegree FS1	 (Any of the 3 SGS certification marks)
22	CS1	eDegree CS1	 (Any of the 3 SGS certification marks)
23	S1	Drive-S1	 (Any of the 3 SGS certification marks)

24	Ullmax SG	Ullmax SG	 (Any of the 3 SGS certification marks)
25	PMD-F-07X	PMD-F-07X	
26	S2	Drive-S2	 (Any of the 3 SGS certification marks)

27	Ullmax SG E-16 	Ullmax SG E-16	 (Any of the 3 SGS certification marks)
28	051701E 051701D 	Segway eKickScooter Ninebot F3	
29	Drive-S3 	Drive-S3	 (Any of the 3 SGS certification marks)

30	HALO C-1	HALO C-1	 (Any of the 3 SGS certification marks)
31	ECOO-V1	ECOO-V1	 (Any of the 3 SGS certification marks)
32	YY-S1	YY-S1	 (Any of the 3 SGS certification marks)

Hoverboards			
S/N	MODEL	MODEL NO.	CERTIFICATION MARK (Example for illustrative purposes only)
1	HY-MATRIX 	Hover-1 Matrix	
2	HY-CHR 	Hover-1 Chrome	
3	HY-TTN 	Hover-1 Titan	
4	V7 	Smart Balance Wheel	

5	Hoverfly 	Gotrax Hoverfly	
6	HOVERFLY+ 	HOVERFLY+	
7	HOVERFLY ECO 	Gotrax Hoverfly Eco	
8	K5 	KooWheel K5	
9	TW01 	Megawheels TW01	
10	TW01-1 	Megawheels TW01-1	

11	TW02 	MegaWheels TW02	
12	Q1 	Tomoloo Q1	
13	Q2 	Tomoloo Q2	
14	Q3 	Tomoloo Q3	
15	K1 	Tomoloo K1	

16	K2 	Tomoloo K2	
17	K3 	Tomoloo K3	
18	CHIC D15 	CHIC D15	
19	CHIC D03  CE RoHS UL SGS UN38.3	CHIC D03	

Others			
S/N	MODEL	MODEL NO.	CERTIFICATION MARK (Example for illustrative purposes only)
1	JMoto-XXX(a) 	Moto Kicks	
2	N4M350 	Segway Miniplus	
3	N3M320 	Ninebot Mini Pro	
4	S1 	Tomoloo Electric Balance Wheel Hovershoes	

5	E20 	E20	
6	V6 	V6	

The following models are no longer being certified to the UL2272 standard. However, LTA will accept devices of these models that were earlier manufactured, tested and certified to the UL2272 standard. These devices should bear a recognised certification mark.

S/N	MODEL	MODEL NO.	CERTIFICATION MARK (Example for illustrative purposes only)
1	BT-ASC06 	Better Wheels BT-ASC06	
2	ES-05A 	Uberscoot ES-05A	
3	HOVERZON S(01) 	HOVERZON S Series	
4	HOVERZON XS 	HOVERZON XS Series	

5	U1-C 	U1-C	
6	X1-C 	X1-C	
7	Veeko-107 	Veeko-107	
8	MS02 	Aeroboard MS02	
9	BD-C1, BD-C2, BD-C3, BD-C4 	OEM/ ODM BD-C1-4	
10	UERA-ESU010 	UERA ESU010	

11	UERA-ESU010-1 	UERA ESU010-1	
12	LH-C 	Veeko LH-C	
13	SNSC1.0 	Ninebot Segway SNSC1.0	
14	SNSC 1.1 	Ninebot Segway SNSC1.1	
15	MAX 	Ninebot Segway MAX	

16	TDT1401Z	Electric scooter bike TDT1401Z	
17	TDS1402Z	Electric scooter bike TDS1402Z	
18	F30	Ninebot F30	
19	S1	Ninebot One S1	 (Any of the 3 CSA certification marks)

20	N4M160 	Segway miniLITE self-balancing scooter	 (Any of the 3 CSA certification marks)
21	W1 	Ninebot Segway Drift W1	 (Any of the 3 CSA certification marks)
22	E1 	Koowheel E1	
23	F1K 	Kiwigogo F1K	
24		Scooty F1K	

25		Kernel Scooter Ultra Light Series IV	
26	X7 	HX X7	
27	P10 	Gaoke Times P10 (manufactured between 6/9/2017 to 22/1/2020)	
28	P12 	Gaoke Times P12 (manufactured between 6/9/2017 to 22/1/2020)	
29	Swagger-1 	Swagtron Swagger 1	

30	SCE-1 	Swagtron SwagCycle Envy E-bike	
31	Swagtron SC-1 	SwagCycle E-Bike	
32	HC386-2 	Hoverzon Cruiser	
33	M1 	RND M1	
34	D1 	DYU D1	

35	D1F 	DYU D1F	
36		Fiido Q1	
37		Fiido Q1s	
38	BT-TW01-H1, BT-TW01-H2, BT-TW01-H3, BT-TW01-H4, BT-TW01-H5, BT-TW01-H6, BT-TW01-H7 	Better Wheels BT-TW01	

39	HY-H2L 	Hover-1 Horizon	
40	HY-ECL 	Hover-1 Eclipse	
41	R1 	CXM R1	
42	R5 	CXM R5	
43	R2-U 	CXM R2-U	
44	K3 	Koowheel K3	

45	K8 	Koowheel K8	
46	EL-ES03R 	Epikgo EL-ES03R	
47	EL-ES03S 	Epikgo EL-ES03S	
48	EL-ES03 	Epikgo EL-ES03	
49	EL-ES04 	Evercross EL-ES04	
50	EL-ES04R 	ZSTT EL-ES04R	
51	EL-ES05 	OEM EL-ES05	

52	EL-ES05S 	IFANS EL-ES05S	
53	EL-ES06 	Asiwo EL-ES06	
54	EL-ES01 	Hoveroid EL-ES01	
55	EL-ES01D-E 	Unbranded EL-ES01D-E	
56	SMART-F 	CHIC SMART-F	
57	SMART-C 	CHIC SMART-C	

58	 SMART-B	CHIC SMART-B	
59	 SMART-S	CHIC SMART-S	
60	 SMART-K2	CHIC SMART-K2	
61	 CHIC-Pi	CHIC-Pi	
62	 CHIC-Pi Max	CHIC-Pi Max	
63	 A8	OSDRICH A8	

64	A10 	OSDRICH A10	
65	X1-5, F1-5, A1-5 	CHO	
66	ZC05359 	Zinc	
67	ESBT-V5 	Jetson V5	
68	ESBT-V6 	Jetson V6	
69	JV12 	Jetson V12 Electra Light	

70	V6XL 	Jetson	
71	X2 	Jetson x2	
72	HOVA5 Z5 Eclipse 	Jetson Z5 Eclipse	
73	V8 Sport 	Jetson V8 Sport	
74	X10 	Jetson X10	

75	JRogu 	Jetson Rogue	
76	JRave-XXX(a) 	Jetson Rave	
77	HOVERTRAX 1.5 	RAZOR HOVERTRAX 1.5	
78	Smart-F(Primium) 	Chic Robot	
79	Smart-C(Primium) 	Chic Robot	

80	G1 (G1-4A) 	GYROOR	
81	SD-0052W 	Iconbit	
82	T580 	GYROOR T580	
83	HBO-6750 	Denver HBO-6750	
84	HBO-6610 	Denver HBO-6610	

85	XLS 	HOVERZON XLS	
86	T1 	Swagtron T1	
87	T3 	Swagtron T3	
88	T5 	Swagtron T5	
89	T6 	Swagtron T6	

90	T580 	Swagtron	
91	T588 	Swagtron T588	
92	T8 	Swagtron T8	
93	T881 	Swagtron T881	
94	T882 	Swagtron T882	

95	Mars ONE V2 	Alienboard	
96	Alpha Q 	Alienboard	
97	SBW666SQ 	Air Ride Pro	
98	SBW666SQ3 	AOBSMARTGO SBW666SQ3	
99	Z8 	Cxinwalk Z8	

100	Z13 	Cxinwalk Z13	
101	C1 Plus 	Cxinwalk C1 plus	
102	Z1++ 	Cxinwalk Z1++	
103	Z5 	Cxinwalk Z5	
104	Z18 	Cxinwalk Z18	

105	Z1+ 	Cxinwalk Z1+	
106	Z6 	Cxinwalk Z6	
107	Z16 	Cxinwalk Z16	
108	CHIC D01  CE RoHS UL SGS UN38.3	CHIC D01	
109	CHIC D01A 	CHIC D01A	

110	LBW04A 	Go-Bowen LBW-04A	
111	LBW09 	Go-Bowen LBW-09	
112	LBW03 	Go-Bowen LBW-03	
113	LME-S1-10 	Lianmei	
114	LME-S1 	Lianmei	

115	KO1, KO1+ 	Kiwano KO1 (manufactured between 10/1/2019 to 26/8/2020)	
116	X1 	Koowheel X1	
117	LBSMV2 	Liftboard 900w e-skateboard	
118	S1RC340 	Segway Robotics Loomo	
119	S2 	Skatebolt S2	

120	A04 	Gaoke Times A04	
121	A08 	Gaoke Times A08	
122	NG-1 	Swagboard NG-1	
123	SR-1 	Swagtron SwagRoller Self-Balancing Unicycle	
124	Voyager-1 	Swagtron Voyager	

125	Step, First, Firstly, GOS, Go Step First 	Scooby Step / Inspirgo Firstly	 (Any of the 3 SGS certification marks)
126	Electrowolf Cyclone 	Electrowolf Cyclone	 (Any of the 3 SGS certification marks)
127	Tempo V3 	Tempo V3	 (Any of the 3 SGS certification marks)
128		Tempo V3 Plus	 (Any of the 3 SGS certification marks)

129		MOBOT KNIGHT GT (XBD)	 XXXXXX (Any of the 3 SGS certification marks)
130		MOBOT KNIGHT Pro	 XXXXXX (Any of the 3 SGS certification marks)
131		XBD	 XXXXXX (Any of the 3 SGS certification marks)
132		Smacircle S1	 XXXXXX (Any of the 3 SGS certification marks)

133		RND F16	 (Any of the 3 SGS certification marks)
134		DUALTRON SPIDER	 (Any of the 3 SGS certification marks)
135	T8 	Swagtron T8	 (Any of the 3 SGS certification marks)
136	T881 	Swagtron T881	 (Any of the 3 SGS certification marks)

137	T882 	Swagtron T882	 US XXXXXX (Any of the 3 SGS certification marks)
138	D1 	Litbot D1	 US XXXXXX (Any of the 3 SGS certification marks)
139	RP600A, RP600B 	Longyin RP600A/B	 US XXXXXX (Any of the 3 SGS certification marks)
140	RP600E 	Longyin RP600E	 US XXXXXX (Any of the 3 SGS certification marks)
141	RP600C 	Longyin RP600C	 US XXXXXX (Any of the 3 SGS certification marks)

142	RP600G 	Longyin RP600G	 XXXXXX (Any of the 3 SGS certification marks)
143	H2 	Neutrino, H2	 XXXXXX (Any of the 3 SGS certification marks)