

Comparison Table of Self-Balancing Dual Motor Electric Foot Scooters*

(Aka: Lean Machines*/Balance Boards/Balance Scooters)

Global warming's near tipping point. Top tip: tip the car, hop on top one of these n' tip forward to a tip-top future.
Here's a specs comparison table of some of the top brands in 2015.

Battle of the green lean machines													
	The originals invented by Shane Chen of Inventist		The original copycat version	Other versions (often the same as or similar to the Chic-smart scooter just renamed and rebranded)							Sporty version (Bat Board*)	Big Wheelers	
	341 Solowheel (classic)	396 Hovertrax	361 Chic-smart	335 Esway N1	358 IO Hawk	362 Mono Rover R2	380 Smartrax S5	376? Airboard	397? Phunkee Duck	JAZZA® (Meigo) Freego W1	Airboard sport	346? S5 XL	343? Airboard Extreme
Weight	11 kg 5+2=7 30	6.8 kg 100 28	10 kg 70	10 kg 70	10 kg 70	10 kg 70	10 kg 670	9.8 kg 70	**8 kg 80	10 kg 70	9.8 kg 70	14 kg 20	9.8 kg 70
Speed	16 kph (10 mph) 56	8 kph 28	10 kph 35	10 kph 35	10 kph 35	10 kph 35	10-12 kph 42	**16 kph 56	**19 kph 70	10 kph 35	**16 kph 56	12-16 kph 56	**16 kph 56
Range	Approx. 16 km (10 miles) 64	15 km 56	15-20 km 72	20 km 80	15-20 km 72	20 km 80	15-20 km 72	**14 km 48	**16 km 64	20 km 80	**16 km 72	20 km 80	**14-14 km 24
Charge Time	45 minutes to 1.5 hours 40	1 hour (standard) 50 30 10 minutes (fast)	1-2 hours 5 25	2-3 hours 2 10	1.5 hours 5 25	1.5 hours 5 25	1 hour 8 40	1 hour 8 40	2-3 hours 2 10	1-2 hours 5 25	2 hours 4 20	1-2 hours 5 25	1 hour 8 40

7 Size	43.2x48.3 x20.3 cm = 3 42357cm ³ (not the actual volume) (tyre 40.64 cm - 16 inches) = 21	52x16x17 cm = 10 1414cm ³ (tyres 16 cm) = 70	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	58x19x18 cm = 6 19835cm ³ (tyres 17 cm) (3 cm ground clearance) = 42	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	**56x18x 18cm = 8 18174cm ³ (tyres 18 cm) (Approx. 3 cm ground clearance) = 56	58.4x18.6 x17.8cm = 7 19335cm ³ (tyres 17 cm) (3 cm ground clearance) = 49	? Probably 58.4x18.6x 17.8cm = 7 19335cm ³ (tyres 17 cm) = 49	? At least 58.4x25x 28cm = 4 36500cm ³ (**tyres 25 cm) = 28	? At least 58.4x25x 25cm = 4 36500cm ³ (**tyres 25 cm) = 28
4 Maximum Incline	7 15° 28 (degrees) = 3	5° 12° 20 5	7 15° 28	7 15° 28	7 15° 28	6 10° 15° 24	7 15° 28	7 15° 28	7 15° 28	8 20° 32	8 20° 32	?	4 25° 10	(40?)
4 Maximum load	150 kg 5	90 kg 3	150 kg 5	150 kg 5	240 kg 8	240 kg 8	240 kg 8	240 kg 8	1035 kg	1035 kg	1500 kg 5	**1330	(30?)	**1330
4 Safety features	Speed control = 35 5	Slower so safer = 35 5	Lights = 25 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	Lights = 35 5	?	Lights = 35 5	Lights = 35 5
4 Extra perks	Great customer support from the Inventist team OK on rough terrain = 32 8	Great customer support from Inventist + mobile app to get travel data and so on = 28 7	Remote key switch (The Chic Smart S2 includes an iOS or Android app) = 32 8	Remote key switch = 20 5	Remote key switch = 20 5	Remote key switch = 20 5	Remote key switch = 20 5	Remote key switch = 20 5	Remote key switch = 20 5?	Remote key switch = 20 5	Remote key switch = 20 5?	Remote key switch = 20 5?	Remote key switch = 32 8	OK on some rough terrain = 20 5
4 Extra info	Inflatable tyre Reliable & high quality	Non- pneumatic tyres	Non- pneumatic tyres	Non- pneumatic tyres	Non- pneumatic tyres	Non- pneumatic tyres	Non- pneumatic tyres	Non- pneumatic tyres	?	Inflatable tyres	Inflatable tyres	?	Inflatable tyres	?

* Name invented/suggested by the Peacemaker Foundation

** No exact details found in metric units. Converted from inches or pounds and therefore approximate only

? No information found

Italics Not sure if information is accurate (information from non-official source)

The Peacemaker Foundation

Campaigns & Projects to Promote Health & Wellbeing

Peacemakerfoundation.com

★ = slightly better than Hovertrax on rough terrain

Key and explanation

1= lowest score 5= average score 10=highest score

Criteria weighting (the importance of the criteria)

Example: speed is given a 7 (fairly important)

Criteria fulfilment (extent to which the criteria is met)

Example: Hovertrax gets a 4 (fairly low) for speed because it is quite slow

Score (criteria weighting x criteria fulfilment)

Example: Hovertrax gets a score of 28 for speed (7 x 4)

Overall score (all the scores added together)

Example: Hovertrax's overall score is 396 (2nd highest)

Decision matrix rules

- Everything is positive. You do not deduct points for a shortcoming only add points for strengths. *So if item A has a shortcoming do not deduct points, just add points to the other items for not having that problem.*
- Every feature or strength can only be counted for once. *For example, the Solowheel gets two extra points in the first box because it is easy to carry. It cannot then get these points again.*
- For it to be fair all relevant criteria must be included.
- The scores do not need to be exactly relative to the numerical differences. *For example, if three machines go 1mph, 5mph and 10mph they do not need to be given scores of 1, 5 and 10 respectively. It could be that 5mph is already fast enough for you so you may wish to give it a higher score of say 7 or 8.*