

Wall box test: Scope of testing and results

While there is little to criticize with regards to the handling and reliability of the wall boxes, some wall boxes demonstrated striking deficiencies in safety. The box should switch off immediately in the case of an error message from the car. The boxes from the online trade (Franz Röcker, Annies-Carparts) did not react.



Manufacturer	Keba	Wallbe	EV	Vestel	ABL	Innogy	Schneider Electric	Annies-Carparts	Franz Röcker	Mennekes	Wallbox	Alfen
Model	KeContact P30	Eco 2.0	Onestop WallPod	EVC02-AC3	eMH1	eBox	EVlink	Simple EVSE	Simply E. Bausatz	Amtron Xtra 22 C2	Com-mander	Icu Eve Mini ²
Power rating	4,6 kW (1-phase)				11 kW (3-phase)					22 kW (3-phase)		
Test price	762 €	499 €	386 €	623 €	865 €	707 €	965 €	399 €	303 €	1903 €	1285 €	1378 €
Additional costs*	yes: RCD A	yes: RCD A	yes: RCD B	yes: RCD B	-	yes: RCD B	yes: RCD B	yes: RCD B	yes: RCD B	-	yes: RCD B	yes: RCD A
Maximal load	4,6 kW	3,7 kW	7,4 kW	3,7 kW	11 kW	11 kW	11 kW	11 kW	11 kW	22 kW	22 kW	22 kW
Safety	1,3	1,7	4,5	4,5	1,0	1,6	1,8	5,5	5,5	1,0	4,5	5,0
Reliability	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	3,8	0,6
Handling	1,3	1,4	1,2	1,9	1,3	1,3	1,6	1,2	1,1	2,3	2,1	3,1
ADAC rating¹	1,3	1,7	4,5	4,5	1,0	1,6	1,8	5,5	5,5	1,4	4,5	5,0

* Additional costs RCB Type A = 20 - 40 Euro, B = 300 - 400 Euro (Online offers with installation). ¹ ADAC rating can not be better than the safety rating.

² Wallbox with RFID chip identification for use in apartment buildings. Weighting: Safety 20 %, Reliability 40 %, Handling 40 %

Grades: ■ 0,6 - 1,5 (very good) ■ 1,6 - 2,5 (good) ■ 2,6 - 3,5 (satisfactory) ■ 3,6 - 4,5 (sufficient) ■ 4,6 - 5,5 (insufficient)