



12-V-car starter batteries

STIFTUNG WARENTEST once more confirms MOLL top quality

	Evaluation	1 Banner Power Bull	2 MOLL Kamina Start	3 Arktis Qualitäts-batterie	4 Ever Start ²⁾	5 Bosch Silver	6 Motorcraft Silver Calcium ³⁾	7 Varta Silver Dynamic	8 Dynamic
Average price in €		99	80	62	63	89	105	133	58
Capacity in Ah / cold start current in A (EN)		62 / 510	63 / 510	63 / 510	63 / 510	62 / 480	60 / 600	63 / 640	66 / 510
Box size w x l x h in cm approx.		18 x 24 x 19	18 x 28 x 18	18 x 28 x 18	18 x 28 x 18	18 x 24 x 19	18 x 24 x 18	18 x 28 x 18	18 x 28 x 19
test-QUALITY JUDGEMENT	100 %	GOOD (2,0)	GOOD (2,2)	GOOD (2,3)	ACCEPTABLE (2,6)	ACCEPTABLE (2,8)	ACCEPTABLE (2,8)	ACCEPTABLE (3,1)	ACCEPTABLE (3,4)
FULFILLING OF PERFORMANCE REQUIREMENTS	40 %	Acceptable (2,8)	Good (2,5)	Acceptable (2,9)	Acceptable (3,1)	Satisfactory (3,9)	Satisfactory (4,1)	Acceptable (3,1)	Satisfactory (3,7)
Capacity / cold start current		○/○	+/+	+/-	○/○	○/○	○/○	+/-	○/○
HANDLING CHARACTERISTICS	35 %	Very good (1,3)	Good (2,1)	Good (1,8)	Good (1,8)	Very good (1,2)	Very good (1,3)	Very good (1,4)	Good (2,0)
Water consumption		++	++	+	++	++	++	++	++
Charge acceptance		++	+	++	++	++	++	++	○
Vibration resistant		++	++	++	+	++	++	++	++
Deep discharge		○	○	○	+	+	+	○	○
Safety regarding electrostatic discharge		++	○	○	○	++	+	++	+
DURABILITY	25 %	Good (1,6)	Good (2,1)	Good (2,0)	Acceptable (3,0)	Acceptable (3,2)	Acceptable (2,8)	Satisfactory (3,6)^{*)}	Satisfactory (3,9)^{*)}
Cycle stability / plate corrosion		++/○	+/+	+/+	+/-	○/○	○/○	○/-	-/+
Judgement classification of the test results: ++ = very good (0,5–1,5). + = good (1,6–2,5). ○ = acceptable (2,6–3,5). ○ = satisfactory (3,6–4,5). – = unsatisfactory (4,6–5,5).									
						If same judgement, batteries are in alphabetical order.		*) causes downgrading	

	Evaluation	9 Arktis	10 S-Power	11 Car Jack	12 Speed + Go	13 Bären Profi	14 Eurostart	15 Eurostar ¹⁾	16 High Power ¹⁾
Average price in €		62	49	65	45	80	65	41	41
Capacity in Ah / cold start current in A (EN)		63 / 510	63 / 510	63 / 510	63 / 510	62 / 510	63 / 540	63 / 510	66 / 510
Box size w x l x h in cm approx.		18 x 28 x 18	18 x 28 x 18	18 x 28 x 18	18 x 28 x 18	18 x 24 x 19	18 x 28 x 18	18 x 28 x 18	18 x 28 x 19
test-QUALITY JUDGEMENT	100 %	SATISFACTORY (3,9)	SATISFACTORY (3,9)	SATISFACTORY (4,0)	SATISFACTORY (4,3)	UNSATISFACTORY (4,6)	UNSATISFACTORY (4,7)	UNSATISFACTORY (5,0)	UNSATISFACTORY (5,0)
FULFILLING OF PERFORMANCE REQUIREMENTS	40 %	Satisfactory (3,9)	Satisfactory (3,6)	Satisfactory (3,8)	Satisfactory (4,0)	Unsatisfactory (4,6)^{*)}	Acceptable (2,8)	Acceptable (3,3)	Acceptable (3,2)
Capacity / cold start current		○/○	○/○	○/○	○/○	-/-	+/-	+/-	○/+
HANDLING CHARACTERISTICS	35 %	Acceptable (3,0)	Satisfactory (4,2)	Satisfactory (4,0)	Acceptable (2,8)	Good (2,0)	Unsatisfactory (5,2)^{*)}	Unsatisfactory (5,5)^{*)}	Unsatisfactory (5,5)^{*)}
Water consumption		+	○ ^{*)}	○ ^{*)}	○	+	- ^{*)}	- ^{*)}	- ^{*)}
Charge acceptance		○	○	+	○	++	○	-	-
Vibration resistant		++	+	+	++	++	+	++	++
Deep discharge		○	○	+	○	○	-	○	○
Safety regarding electrostatic discharge		-	+	+	+	○	-	-	-
DURABILITY	25 %	Satisfactory (4,4)^{*)}	Satisfactory (4,2)	Satisfactory (4,4)	Unsatisfactory (4,8)^{*)}	Unsatisfactory (4,6)	Satisfactory (4,4)	Unsatisfactory (5,5)	Unsatisfactory (5,0)
Cycle stability / plate corrosion		-/○	-/○	-/○	-/○	-/○	○/-	-/-	-/○



1) expiring model, according to seller
2) new supplier and price 60 €, according to seller

3) replaced by Ford premium, according to seller

Only 3 of 16 tested starter batteries have been judged as „GOOD“ and „would be reliable partners under winter conditions (test)“ – MOLL is among the winners!