

Batteries for European-Type Passenger Cars



SMF

	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA			DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)	
					C20	C5	RC	A EN (18°C)	CA (0°C)	HCA (22°C)	SAE (18°C)	LENGTH	WIDTH					HEIGHT
SMF	5362026	L1B	99R	12	36	29	54	300	360	400	330	207	175	175	0	1	B13	24
	5442021	L1		12	44	35	68	400	460	510	430	207	175	190	0	1	B13	
	5452152	L1		12	45	36	70	400	460	510	430	207	175	190	0	1	B13	
	5452155	L1B	99R	12	45	36	70	400	460	510	430	207	175	175	0	1	B13	24
	5452001	L2B	90	12	45	36	70	400	460	510	430	242	175	175	0	1	B13	24
	5502008	L1		12	50	40	79	460	520	600	500	207	175	190	0	1	B13	
	5502007	L2	47	12	50	40	79	460	520	600	500	242	175	190	0	1	B13	24
	5552016	L2	47	12	55	44	88	510	580	640	560	242	175	190	0	1	B13	24
	5552009	L2B	90	12	55	44	88	510	580	640	560	242	175	175	0	1	B13	24
	5602048	L2	47	12	60	48	98	540	620	700	580	242	175	190	0	1	B13	24
	5602119	L2B	90	12	60	48	98	540	620	700	580	242	175	175	0	1	B13	24
	5662009	L3	48	12	66	53	110	560	650	720	610	278	175	190	0	1	B13	24
	5662004	L3B	91	12	66	53	110	560	650	720	610	278	175	175	0	1	B13	24
	5722014	L3	48	12	72	58	122	600	700	760	640	278	175	190	0	1	B13	24
	5742049	L3	48	12	74	59	126	640	760	820	700	278	175	190	0	1	B13	24
	5752068	L3	48	12	75	60	128	640	760	820	700	278	175	190	0	1	B13	24
	5752065	L3B	91	12	75	60	128	640	760	820	700	278	175	175	0	1	B13	24
	5882007	L5	49	12	88	70	154	740	850	900	790	353	175	190	0	1	B13	24
	5882031	L5B	93	12	88	70	154	740	850	900	790	353	175	175	0	1	B13	24
	6002030	L5	49	12	100	80	179	820	950	980	880	353	175	190	0	1	B13	24
6002074	L5B	93	12	100	80	179	820	950	980	880	353	175	175	0	1	B13	24	

Reverse polarity are available for all types.

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MF	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (18°C)	CA (0°C)	HCA (27°C)	SAE (18°C)	LENGTH	WIDTH	HEIGHT				
	5362015	L1B	99R	12	36	29	54	300	360	400	330	207	175	175	0	1	B13	24
	5402009	L0		12	40	32	61	330	380	420	360	175	175	190	0	1	B03	
	5442030	L1		12	44	35	68	400	460	510	430	207	175	190	0	1	B13	
	5452019	L1		12	45	36	70	400	460	510	430	207	175	190	0	1	B13	
	5452121	L1	26R	12	45	36	70	400	460	510	430	207	175	190	0	1	B14	11
	5452149	L1B	99R	12	45	36	70	400	460	510	430	207	175	175	0	1	B13	24
	5452104	L2B	90	12	45	36	70	400	460	510	430	242	175	175	0	1	B13	24
	5502013	L1		12	50	40	79	460	520	600	500	207	175	190	0	1	B13	
	5502010	L2	47	12	50	40	79	460	520	600	500	242	175	190	0	1	B13	24
	5552011	L2	47	12	55	44	88	510	580	640	560	242	175	190	0	1	B13	24
	5552070	L2B	90	12	55	44	88	510	580	640	560	242	175	175	0	1	B13	24
	5602042	L2	47	12	60	48	98	540	620	700	580	242	175	190	0	1	B13	24
	5602066	L2B	90	12	60	48	98	540	620	700	580	242	175	175	0	1	B13	24
	5662010	L3	48	12	66	53	110	560	650	720	610	278	175	190	0	1	B13	24
	5662085	L3B	91	12	66	53	110	560	650	720	610	278	175	175	0	1	B13	24
	5722018	L3	48	12	72	58	122	600	700	760	640	278	175	190	0	1	B13	24
	5742010	L3	48	12	74	59	126	640	760	820	700	278	175	190	0	1	B13	24
	5752047	L3	48	12	75	60	128	640	760	820	700	278	175	190	0	1	B13	24
	5752042	L3B	91	12	75	60	128	640	760	820	700	278	175	175	0	1	B13	24
	5752002	L4B	92	12	75	60	128	640	760	820	700	315	175	175	0	1	B13	24
	5802022	L4	94R	12	80	64	138	740	850	900	790	315	175	190	0	1	B13	24
	5802025	L4B	92	12	80	64	138	740	850	900	790	315	175	175	0	1	B13	24
	5802023	L4B	92	12	80	64	138	640	760	820	700	315	175	175	0	1	B13	24
	5882008	L5	49	12	88	70	154	740	850	900	790	353	175	190	0	1	B13	24
	5882011	L5B	93	12	88	70	154	740	850	900	790	353	175	175	0	1	B13	24
	6002029	L5	49	12	100	80	179	820	950	980	880	353	175	190	0	1	B13	24
	6002028	L5B	93	12	100	80	179	820	950	980	880	353	175	175	0	1	B13	24

Reverse polarity are available for all types.

Batteries for Japanese-Type Passenger Cars



SMF

CODE	JIS GROUP	BCI GROUP	NEW JIS CODE	OLD JIS CODE	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
						C20	C5	RC	A EN (8°C)	CA (0°C)	HCA (27°C)	SAE (8°C)	LENGTH	WIDTH	HEIGHT				
5362038	NS40		40B19L	NS40ZL	12	36	29	54	300	360	400	330	197	128	225	0	3	BOO	
5362039	NS40		40B19R	NS40Z	12	36	29	54	300	360	400	330	197	128	225	1	3	BOO	
5362047	NS40		40B19LS	NS40ZLS	12	36	29	54	300	360	400	330	197	128	225	0	1	BOO	
5362059	NS40		40B19RS	NS40ZS	12	36	29	54	300	360	400	330	197	128	225	1	1	BOO	
5402012	NS60			N40L	12	40	32	61	350	420	470	360	236	128	225	0	3	BOO	
5402022	NS60			N40	12	40	32	61	350	420	470	360	236	128	225	1	3	BOO	
5422025	NS40				12	42	34	64	350	420	470	360	197	128	225	0	3	BOO	
5422026	NS40				12	42	34	64	350	420	470	360	197	128	225	1	3	BOO	
5422031	NS40				12	42	34	64	350	420	470	360	197	128	225	0	1	BOO	
5422037	NS40				12	42	34	64	350	420	470	360	197	128	225	1	1	BOO	
5452091	NS60		50B24L	NS60L	12	45	36	70	380	480	530	410	236	128	225	0	3	BOO	
5452096	NS60		50B24R	NS60	12	45	36	70	380	480	530	410	236	128	225	1	3	BOO	
5452083	NS60	51R	50B24LS	NS60LS	12	45	36	70	380	480	530	410	236	128	225	0	1	BOO	
5452084	NS60	51	50B24RS	NS60S	12	45	36	70	380	480	530	410	236	128	225	1	1	BOO	
5502102	N50	24R	48D26L	N50L	12	50	40	79	450	540	600	490	260	170	225	0	1	BOO	11
5502103	N50	24	48D26R	N50	12	50	40	79	450	540	600	490	260	170	225	1	1	BOO	11
5552126	D23	35			12	55	44	88	480	580	640	520	230	172	225	0	1	BOO	11
5552128	D23	25			12	55	44	88	480	580	640	520	230	172	225	1	1	BOO	11
5602154	NS60				12	60	48	98	470	560	620	500	236	128	225	0	3	BOO	
5602155	NS60				12	60	48	98	470	560	620	500	236	128	225	1	3	BOO	
5602170	NS60	51R			12	60	48	98	470	560	620	500	236	128	225	0	1	BOO	
5602171	NS60	51			12	60	48	98	470	560	620	500	236	128	225	1	1	BOO	
5602172	D23	35	55D23L	55D23L	12	60	48	98	540	650	720	550	230	172	225	0	1	BOO	11
5602173	D23	25	55D23R	55D23R	12	60	48	98	540	650	720	550	230	172	225	1	1	BOO	11
5602174	N50	24R	55D26L	N50ZL	12	60	48	98	540	650	720	550	260	170	225	0	1	BOO	11
5602175	N50	24	55D26R	N50Z	12	60	48	98	540	650	720	550	260	170	225	1	1	BOO	11
5652019	N50	24R	75D26L	NS70L	12	65	52	108	580	700	770	620	260	170	225	0	1	BOO	11
5652020	N50	24	75D26R	NS70	12	65	52	108	580	700	770	620	260	170	225	1	1	BOO	11
5702062	N50	24R	80D26L	NX110-5L	12	70	56	118	620	740	820	680	260	170	225	0	1	BOO	11
5702063	N50	24	80D26R	NX110-5	12	70	56	118	620	740	820	680	260	170	225	1	1	BOO	11
5702064	N70	27R	65D31L	N70L	12	70	56	118	620	740	820	680	306	176	225	0	1	BOO	11
5702065	N70	27	65D31R	N70	12	70	56	118	620	740	820	680	306	176	225	1	1	BOO	11
5752040	N70	27R	75D31L	N70ZL	12	75	60	128	650	780	860	700	306	176	225	0	1	BOO	11
5802037	N50	24R			12	80	64	138	650	780	860	700	260	170	225	0	1	BOO	11
5802031	N50	24			12	80	64	138	650	780	860	700	260	170	225	1	1	BOO	11
5802038	N70	27R	95D31L	NX110-7L	12	80	64	138	650	780	860	700	306	176	225	0	1	BOO	11
5802039	N70	27	95D31R	NX110-7	12	80	64	138	650	780	860	700	306	176	225	1	1	BOO	11
5902069	N70	27R	105D31L	105D31L	12	90	72	158	720	860	960	780	306	176	225	0	1	BOO	11
5902070	N70	27	105D31R	105D31R	12	90	72	158	720	860	960	780	306	176	225	1	1	BOO	11
6002094	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	0	1	BOO	11
6002134	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	1	1	BOO	11

JIS - SMF

BO1 Hold down is available for all types .

Batteries for Japanese-Type Passenger Cars

JIS - MF	CODE	JIS GROUP	BCI GROUP	NEW JIS CODE	OLD JIS CODE	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
							C20	C5	RC	AEN (85C)	CA (0C)	HCA (25C)	SAE (85C)	LENGTH	WIDTH	HEIGHT				
	5502149	N50	24R	48D26L	N50L	12	50	40	79	450	540	600	490	260	170	225	0	1	B00	11
	5602243	N50	24R	55D26L	N50ZL	12	60	48	98	540	650	720	550	260	170	225	0	1	B00	11
	5652022	N50	24R			12	65	52	108	580	700	770	620	260	170	225	0	1	B00	11
	5702106	N50	24R	80D26L	NX110-5L	12	70	56	118	620	740	820	680	260	170	225	0	1	B00	11
	5702028	N70	27R		N70L	12	70	56	118	620	740	820	680	306	176	225	0	1	B00	11
	5752074	N70	27R			12	75	60	128	650	780	860	700	306	176	225	0	1	B00	11
	5802063	N50	24R			12	80	64	138	650	780	860	700	260	170	225	0	1	B00	11
	5802064	N70	27R	95D31L	NX110-7L	12	80	64	138	650	780	860	700	306	176	225	0	1	B00	11
	5902097	N70	27R	105D31L		12	90	72	158	720	860	960	780	306	176	225	0	1	B00	11
	6002132	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	0	1	B00	11

B01 Hold down is available for all types .



MF

WARNING NOTES AND SAFETY REGULATIONS FOR FILLED LEAD - ACID BATTERIES



Place and use your battery in your vehicle according to the following instructions.



Protect your eyes.



Keep the children away from battery and acid.



Danger of Explosion

The hydrogen gas composition that is generated during charging can explode. Therefore:



Keep it away from fire, flame and cigarettes.

Avoid electrostatic surges, electrical appliances as well as sparks caused by cables. Avoid short circuits



Corrosion impact:

Battery acid is highly corrosive. Therefore, wear protective gloves and protect your eyes.

Do not leave your battery leaning to one side; otherwise, acid may leak out of the gas release holes or unnoticed gaps



First Aid:

In the case of acid splash to your eyes, wash out your eyes with clean water for several minutes.

Then, seek medical care immediately. If acid splashes onto skin or clothing, clean it with an acid flux (soda) or soap and clean water. If the acid burns, go to a doctor immediately.



Warning:

Do not leave batteries unprotected in direct daylight.

Uncharged batteries may freeze. Therefore, choose a storage area away from freezing risk.



Suggestions:

Deliver the used batteries to battery collection points.

Always store the batteries with the cover at the top.

Prevent batteries from falling over during transport.

Never throw away old batteries.