



**POWERING
YOUR JOURNEY**

www.polarbatt.com



ABOUT

Polarbatt is a Lebanese-based company that specializes in the production and sale of high-quality batteries for cars, trucks, bikes, military vehicles, AGM, and Solar batteries of all types. Established in 2017, the company operates under the **Ziadeh Group**, a leading manufacturer and distributor of automotive products in the region.

From its humble beginnings, **Polarbatt** has grown into a reliable supplier of top-notch batteries that cater to the diverse needs of customers. The company boasts of state-of-the-art manufacturing facilities and a team of experienced engineers and technicians who are dedicated to producing batteries that meet the highest quality standards.

Polarbatt's product range includes maintenance-free batteries, deep cycle batteries, and high-performance batteries, all designed to withstand the most demanding conditions. The company's batteries are used in a variety of applications, including cars, trucks, motorcycles, military vehicles, and solar power systems.

Polarbatt's commitment to innovation and quality has earned the company a reputation as a trusted and reliable partner in the automotive industry. The company is continuously investing in research and development to improve the performance and efficiency of its batteries.

As a socially responsible company, Polarbatt is committed to reducing its environmental footprint. The company's manufacturing processes are designed to minimize waste and energy consumption, and its batteries are recyclable, making them an eco-friendly choice.

In summary, **Polarbatt** is a dynamic and innovative company that has quickly established itself as a leading supplier of batteries for various applications. With its commitment to quality, innovation, and sustainability, the company is poised for continued growth and success in the future.



Batteries for European-Type Passenger Cars

	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	PC	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.



SMF

Batteries for European-Type Passenger Cars

	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				
MF	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.



MF

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 (°C)	CA (°C)	HCA (27°C)	SAE (°C)	LENGTH	WIDTH	HEIGHT				
JIS - SMF	5362038	NS40		40B19L	NS40ZL	12	36	29	54	300	360	400	330	197	128	225	0	3	B00	
	5362039	NS40		40B19R	NS40Z	12	36	29	54	300	360	400	330	197	128	225	1	3	B00	
	5362047	NS40		40B19LS	NS40ZLS	12	36	29	54	300	360	400	330	197	128	225	0	1	B00	
	5362059	NS40		40B19RS	NS40ZS	12	36	29	54	300	360	400	330	197	128	225	1	1	B00	
	5402012	NS60			N40L	12	40	32	61	350	420	470	360	236	128	225	0	3	B00	
	5402022	NS60			N40	12	40	32	61	350	420	470	360	236	128	225	1	3	B00	
	5422025	NS40				12	42	34	64	350	420	470	360	197	128	225	0	3	B00	
	5422026	NS40				12	42	34	64	350	420	470	360	197	128	225	1	3	B00	
	5422031	NS40				12	42	34	64	350	420	470	360	197	128	225	0	1	B00	
	5422037	NS40				12	42	34	64	350	420	470	360	197	128	225	1	1	B00	
	5452091	NS60		50B24L	NS60L	12	45	36	70	380	480	530	410	236	128	225	0	3	B00	
	5452096	NS60		50B24R	NS60	12	45	36	70	380	480	530	410	236	128	225	1	3	B00	
	5452083	NS60	51R	50B24LS	NS60LS	12	45	36	70	380	480	530	410	236	128	225	0	1	B00	
	5452084	NS60	51	50B24RS	NS60S	12	45	36	70	380	480	530	410	236	128	225	1	1	B00	
	5502102	N50	24R	48D26L	N50L	12	50	40	79	450	540	600	490	260	170	225	0	1	B00	11
	5502103	N50	24	48D26R	N50	12	50	40	79	450	540	600	490	260	170	225	1	1	B00	11
	5552126	D23	35			12	55	44	88	480	580	640	520	230	172	225	0	1	B00	11
	5552128	D23	25			12	55	44	88	480	580	640	520	230	172	225	1	1	B00	11
	5602154	NS60				12	60	48	98	470	560	620	500	236	128	225	0	3	B00	
	5602155	NS60				12	60	48	98	470	560	620	500	236	128	225	1	3	B00	
	5602170	NS60	51R			12	60	48	98	470	560	620	500	236	128	225	0	1	B00	
	5602171	NS60	51			12	60	48	98	470	560	620	500	236	128	225	1	1	B00	
	5602172	D23	35	55D23L	55D23L	12	60	48	98	540	650	720	550	230	172	225	0	1	B00	11
	5602173	D23	25	55D23R	55D23R	12	60	48	98	540	650	720	550	230	172	225	1	1	B00	11
	5602174	N50	24R	55D26L	N50ZL	12	60	48	98	540	650	720	550	260	170	225	0	1	B00	11
	5602175	N50	24	55D26R	N50Z	12	60	48	98	540	650	720	550	260	170	225	1	1	B00	11
	5652019	N50	24R	75D26L	NS70L	12	65	52	108	580	700	770	620	260	170	225	0	1	B00	11
	5652020	N50	24	75D26R	NS70	12	65	52	108	580	700	770	620	260	170	225	1	1	B00	11
	5702062	N50	24R	80D26L	NX110-5L	12	70	56	118	620	740	820	680	260	170	225	0	1	B00	11
	5702063	N50	24	80D26R	NX110-5	12	70	56	118	620	740	820	680	260	170	225	1	1	B00	11
	5702064	N70	27R	65D31L	N70L	12	70	56	118	620	740	820	680	306	176	225	0	1	B00	11
	5702065	N70	27	65D31R	N70	12	70	56	118	620	740	820	680	306	176	225	1	1	B00	11
	5752040	N70	27R	75D31L	N70ZL	12	75	60	128	650	780	860	700	306	176	225	0	1	B00	11
	5802037	N50	24R			12	80	64	138	650	780	860	700	260	170	225	0	1	B00	11
	5802031	N50	24			12	80	64	138	650	780	860	700	260	170	225	1	1	B00	11
	5802038	N70	27R	95D31L	NX110-7L	12	80	64	138	650	780	860	700	306	176	225	0	1	B00	11
	5802039	N70	27	95D31R	NX110-7	12	80	64	138	650	780	860	700	306	176	225	1	1	B00	11
	5902069	N70	27R	105D31L	105D31L	12	90	72	158	720	860	960	780	306	176	225	0	1	B00	11
	5902070	N70	27	105D31R	105D31R	12	90	72	158	720	860	960	780	306	176	225	1	1	B00	11
	6002094	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	0	1	B00	11
	6002134	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	1	1	B00	11

B01 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 (±5°C)	CA (0°C)	HCA (27°C)	SAE (±5°C)	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

Feel the power with the European-Type DIN Tetra Core Crystal technology

TT7 has large capacity and long life with Tetra Core Crystal technology. It provides high performance in all weather conditions with its powerful alloy.

It is accredited by TÜRKAK and it has laboratory-approved results.

Tetra Core Technology 7

Advantages of Crystal Frame

- Ca-ca(calcium) alloy powerful plates
- A design that does not require maintenance throughout its useful life,
- High starting power in any weather condition,
- Long life
- Strong electrical flow
- Ready to use, fully maintenance-free
- A small above-cover indicator showing the charge level

	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				
DIN/TT7 SMF	5362048	L1B	99R	12	36	29	54	300	360	400	330	207	175	175	0	1	B13	24
	5452166	L1		12	45	36	70	400	460	510	430	207	175	190	0	1	B13	
	5452167	L1B	99R	12	45	36	70	400	460	510	430	207	175	175	0	1	B13	24
	5452200	L2B	90	12	45	36	70	400	460	510	430	242	175	175	0	1	B13	24
	5502131	L1		12	50	40	79	460	520	600	500	207	175	190	0	1	B13	
	5502084	L2	47	12	50	40	79	460	520	600	500	242	175	190	0	1	B13	24
	5552167	L2	47	12	55	44	88	510	580	640	560	242	175	190	0	1	B13	24
	5552168	L2B	90	12	55	44	88	510	580	640	560	242	175	175	0	1	B13	24
	5602078	L2	47	12	60	48	98	540	620	700	580	242	175	190	0	1	B13	24
	5602236	L2B	90	12	60	48	98	540	620	700	580	242	175	175	0	1	B13	24
	5662078	L3	48	12	66	53	110	560	650	720	610	278	175	190	0	1	B13	24
	5662077	L3B	91	12	66	53	110	560	650	720	610	278	175	175	0	1	B13	24
	5722020	L3	48	12	72	58	122	600	700	760	640	278	175	190	0	1	B13	24
	5742033	L3	48	12	74	59	126	640	760	820	700	278	175	190	0	1	B13	24
	5752069	L3	48	12	75	60	128	640	760	820	700	278	175	190	0	1	B13	24
	5752071	L3B	91	12	75	60	128	640	760	820	700	278	175	175	0	1	B13	24
	5882076	L5	49	12	88	70	154	740	850	900	790	353	175	190	0	1	B13	24
	5882075	L5B	93	12	88	70	154	740	850	900	790	353	175	175	0	1	B13	24
	6002024	L5B	93	12	100	80	179	820	950	980	880	353	175	175	0	1	B13	24
	6002025	L5	49	12	100	80	179	820	950	980	880	353	175	190	0	1	B13	24

Reverse polarity are available for all types



Performance of your vehicle will increase with long life and ultra durable **Heavy Duty Batteries!**

Heavy Duty Batteries specifically designed for vehicles like pick-up trucks, trucks, tractor trailers and buses that work under heavy conditions;

- Heavy duty-specific powerful plates and powerful internal design will never leave you stranded.
- Maximum resistance to corrosion effects,
- Long life,
- High performance,
- Ultra resistance to shocks,
- High starting power resistant to all weather conditions,
- Durable terminal connections,
- Suitable for deep discharge,
- Maximum performance with special fiber reinforced separators,
- No maintenance requirement thanks to the extra electrolyte volume and special alloy

SHD	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)	H2A (+22 °C)	SAE (+18 °C)	LENGHT	WIDTH	HEIGHT				
	6802072	B	4D	12	180	144	360	1150	1300	1500	1250	513	223	223	3	1	B00	8
	7002053	C	8D	12	200	160	407	1200	1360	1560	1310	518	276	242	3	1	B00	8
	7102043	C	8D	12	210	168	432	1200	1360	1560	1310	518	276	242	3	1	B00	8
	7252046	C	8D	12	225	180	468	1250	1410	1630	1360	518	276	242	3	1	B00	8
	7402005	C	8D	12	240	192	505	1250	1410	1630	1360	518	276	242	3	1	B00	8

Reverse polarity are available for all types.

	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)	H2A (+22°C)	SAE (+18°C)	LENGHT	WIDTH	HEIGHT				
HD	5902023	H3		12	90	72	158	600	680	780	650	324	175	227	0	1	B03	
	6052016	H4		12	105	84	190	700	790	910	760	346	175	230	0	1	B03	
	6052028	D2		12	105	84	190	700	790	910	760	349	175	235	0	1	B01	
	6102003	D2		12	110	88	201	750	850	980	820	349	175	235	0	1	B01	
	6152004	D2		12	115	92	212	800	900	1040	870	349	175	235	0	1	B01	
	6202073	D4A		12	120	96	223	800	900	1040	870	513	189	223	3	1	B03	
	6352052	D4A		12	135	108	256	900	1020	1170	980	513	189	223	3	1	B03	
	6502034	B	4D	12	150	120	290	950	1070	1240	1040	513	223	223	3	1	B00	8
	6652039	B	4D	12	165	132	324	1000	1130	1300	1090	513	223	223	3	1	B00	8
	6802002	B	4D	12	180	144	360	1100	1240	1430	1200	513	223	223	3	1	B00	8
	7002020	C	8D	12	200	160	407	1150	1300	1500	1250	518	276	242	3	1	B00	8
	7102045	C	8D	12	210	168	432	1150	1300	1500	1250	518	276	242	3	1	B00	8
	7252025	C	8D	12	225	180	468	1200	1360	1560	1310	518	276	242	3	1	B00	8
	7402004	C	8D	12	240	192	505	1200	1360	1560	1310	518	276	242	3	1	B00	8

Reverse polarity are available for all types.

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)	SAE (+18°C)	LENGHT	WIDHT	HEIGHT				
	6202002	A(D4)		12	120	96	223	800	860	513	188	223	3	1	B00	
	6352002	A(D4)		12	135	108	256	860	930	513	188	223	3	1	B00	
	6502081	B(D5)	4D	12	150	120	290	900	970	513	223	223	3	1	B00	8
	6652011	B(D5)	4D	12	165	132	324	980	1060	513	223	223	3	1	B00	8
	6802009	B(D5)	4D	12	180	144	360	1050	1130	513	223	223	3	1	B00	8
	7002006	C(D6)	8D	12	200	160	407	1130	1220	518	276	242	3	1	B00	8
	7102003	C(D6)	8D	12	210	168	432	1150	1240	518	276	242	3	1	B00	8
	7252004	C(D6)	8D	12	225	180	468	1230	1330	518	276	242	3	1	B00	8



Have a safe and enjoyable trip with Marine Battery!

Marine Batteries specifically produced for marine vessels and designed to be durable against impacts, with their technology that reports any possible fault in advance;

- Powerful plates suitable for heavy duty conditions and strong internal design,
- Maximum corrosion resistance with special design and alloyed grids,
- Long life cycle,
- Glass mat separators with low internal resistance,
- A system that gives warnings about possible faults in advance thanks to its smart chip,
- Reinforced design against vibration...

DEEP DISCHARGE MARINE BATTERY	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA		DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN
					C20	C5	RC	A EN #8 C	SAE #8 C	LENGTH	WIDTH	HEIGHT			
	5902093	H3		12	90	72	158	620	670	324	175	227	0	1	B03
	6052037	H4		12	105	84	190	710	770	346	175	230	0	1	B03
	6202044	D4		12	120	96	223	800	880	513	189	223	3	1	B03
	6502059	B(D5)	4D	12	150	120	290	920	990	513	223	223	0	1	B00
	6802040	B(D5)	4D	12	180	144	360	1050	1130	513	223	223	0	1	B00
	7002026	C(D6)	8D	12	200	160	407	1130	1220	518	276	242	0	1	B00
	7102030	C(D6)	8D	12	210	168	432	1150	1240	518	276	242	0	1	B00

DEEP DISCHARGE GEL MARINE BATTERY	CODE	DESIGN NUMBER	VOLTAGE	CAPACITY [Ah]	BOX TYPE	WEIGHT +/-%3 [kg]	DIMENSIONS L/W/H [mm]	CAPACITY [AH]				TERMINAL TYPE
								C20	C10	C5	C3	
	YGE12-150	26502061E	12	150	B	55,5	512/224/195-217	150,0	138,8	127,0	117,4	A-S
	YGE12-200	27002042E	12	200	C	71,5	515/273/213-235	200,0	185,8	169,3	155,2	A-S
	YGE12-235	27352001E	12	235	C	74,3	515/273/213-235	235,0	218,6	200,3	182,8	A-S

Reverse polarity are available for all types



Gel Batteries are available at any moment in life, even in the locations without electricity!

Gel Batteries are useful with a power storage feature in solar energy systems, defense industry vehicles and the maritime sector or wherever stored energy is needed;

- Completely maintenance free. Reduces the cost of battery maintenance to almost nothing.
- Provides an exact solution to the acid releasing problem. Continues to work even if partially broken.
- Provides outstanding results in the operating conditions with vibration.
- Even if it is not charged immediately, it can be completely brought back from Deep Discharge.
- Low internal resistance.
- Produced with positive plate protecting and life cycle extending design.
- Environmentally friendly. Provides storage for alternative energy sources to be further used.
- The ‘GEL ENERGY’ gel formula has an overheating prevention effect on the plates. In excessive discharge it does not create heat and no power is lost

GEL DEEP DISCHARGE BATTERIES	CODE	DESIGN NUMBER	VOLTAGE	CAPACITY [Ah]	BOX TYPE	WEIGHT +-%3 [Kg]	DIMENSIONS L/W/H [mm]	CAPACITY [AH]				TERMINAL TYPE
								C20	C10	C5	C3	
	YGE12-40	25402021E	12	40	L1	15,6	203/175/167-190	40,0	38,1	35,2	32,5	A-S
	YGE12-50	25502106E	12	50	L2	18,0	241/175/167-190	50,0	46,4	41,8	39,3	A-S
	YGE12-60	25602160E	12	60	L3	21,3	278/175/167-190	60,0	56,8	52,3	48,9	A-S
	YGE12-80	25802034E	12	80	L5	27,7	353/175/167-190	80,0	73,9	67,8	64,7	A-S
	YGE12-95	25952015E	12	95	L6	30,5	395/175/167-190	95,0	87,1	78,4	74,2	A-S
	YGE12-100	26002108E	12	100	D2	32,9	344/175/210-232	100,0	88,9	79,6	75,8	A-S
	YGE12-120	26202054E	12	120	A	40,9	512/189/193-215	120,0	110,3	101,2	96,3	A-S
	YGE12-120T*	26202074E	12	120	D7	39,2	284/265/205-224	120,0	112,5	100,0	94,3	A-S
	YGE12-130	26302008E	12	130	D2H	41,3	344/175/262-284	130,0	121,7	111,8	102,1	A-S
	YGE12-150	26502061E	12	150	B	55,5	512/224/195-217	150,0	138,8	127,0	117,4	A-S
	YGE12-200	27002042E	12	200	C	71,5	515/273/213-235	200,0	185,8	169,3	155,2	A-S
	YGE12-235	27352001E	12	235	C	74,3	515/273/213-235	235,0	218,6	200,3	182,8	A-S
	YGE8-145	29452001E	8	145	GU	32,7	261/181/252-274	145,0	134,2	125,2	113,5	A-S
	YGE6-200	27002064E	6	200	GU	34,9	261/181/252-274	200,0	190,2	162,8	155,0	A-S



Start Stop Batteries are both technological and economical!

Vehicles with the Start Stop feature stop the motor whenever the driver stops the vehicle and starts the motor again when the accelerator pedal is depressed. During the time that the motor is off, the comfort and safety equipment of the vehicle remain on. Start Stop features continuously provides the frequent and high capacity that the vehicle requires during this process.

- Long life cycle thanks to the reinforced crystal paste formula,
- High power capacity,
- High starting power,
- Minimum water loss with calcium-calcium grid alloy,
- More durable and corrosion-resistant plates with strong grid design and patented grid technology,
- Extra resistance to vibration,
- Smooth electricity flow in any condition thanks to the reinforced terminals,
- A patented design that has passed the most demanding sealing tests,
- High acid reserve on plates,
- A design allowing for installation in any position under the international norms and sizes
- Maximum performance under difficult weather and road conditions.

START-STOP	CODE	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)	LENGHT	WIDTH	HEIGHT				
5632026	L2	47	12	63	50	104	560	650	720	610	242	175	190	0	1	B13	24	
5632018	D23	35	12	63	50	104	560	650	720	610	230	172	225	0	1	B00	11	
5722058	L3	48	12	72	58	122	650	750	830	700	278	175	190	0	1	B13	24	
5842001	L4	94R	12	84	67	146	720	830	920	780	315	175	190	0	1	B13	24	

Reverse polarity are available for all types



Taxi Batteries designed in consideration for the need to start frequently

Designed to minimize the problems of commercial taxi cabs related to long daily operation time and inner-city traffic.

- Corrosion-resistant and highly conductive plates thanks to the special grid design,
- Long life and durability under heavy use conditions,
- High performance under challenging conditions thanks to the hybrid technology,
- High starting power,
- Glass mat separators with low internal resistance

TAXI	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	AEN (+18°C)	CA ₀ (0°C)	HCA (22°C)	SAE (+18°C)	LENGTH	WIDTH	HEIGHT				
	5632024	L2	47	12	63	50	104	560	650	720	610	242	175	190	0	1	B13	24
	5722053	L3	48	12	72	58	122	640	760	820	700	278	175	190	0	1	B14	
	5722061	L3	48	12	72	58	122	640	760	820	700	278	175	190	0	1	B13	24

Reverse polarity are available for all types



BCI 31

BCI 31	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN
					C20	C5	RC	A EN (°C)	CA (°C)	HCA (20°C)	SAE (°C)	LENGTH	WIDTH	HEIGHT			
	5902015	BCI31	31S	12	90	72	158	720	860	960	780	330	172	238	1	Stud	B00
	6002027	BCI31	31A	12	100	80	179	800	960	1060	860	330	172	238	1	Stud	B00
	6002042	BCI31	31A	12	100	80	179	800	960	1060	860	330	172	238	1	Std. Stud	B00



The world is a safer
place with power-proven
NATO Batteries!



NATO BATTERY	CODE	DIN GROUP	VOLTAGE	C20	CAPACITY (AH)			CCA		DIMENSIONS			TERMINAL TYPE	HOLD DOWN
					C5	RC	A EN (-18°C)	SAE (-18°C)	LENGTH (-18°C)	WIDTH	HEIGHT	LAYOUT		
6002019	D7	12	100	80	179	640	680	286	270	230	2	1	B00	
6002120	D7	12	100	80	179	640	680	286	270	230	2	1	B00	
6252016	D7	12	125	100	234	800	850	286	270	230	2	1	B00	

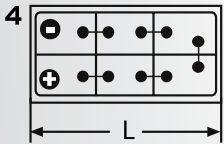
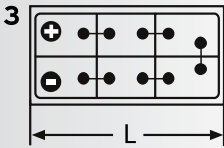
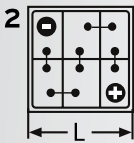
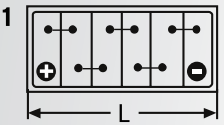
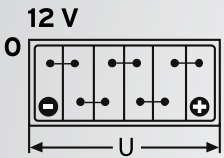
NATO TYPE GEL	CODE	DESIGN NUMBER	VOLTAGE	CAPACITY [Ah]	BOX TYPE	WEIGHT +-%3 [Kg]	DIMENSIONS L/W/H [mm]	CAPACITY [AH]				TERMINAL TYPE
								C20	C10	C5	C3	
	YGE12-120T*	26202074E	12	120	D7	39,2	284/265/205-224	120,0	112,5	100,0	94,3	A-S

Reverse polarity are available for all types

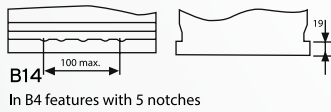
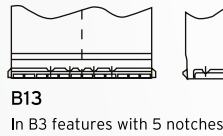
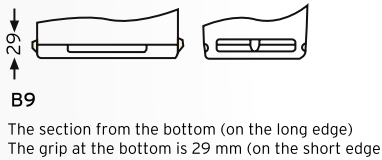
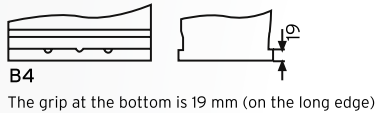
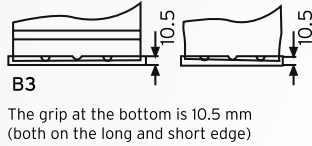
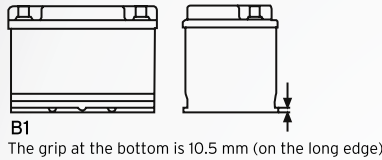


Technical data

Form of Assembly

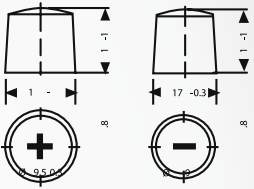


Casing types

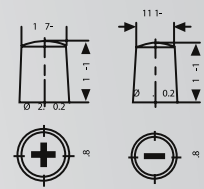


Terminal types

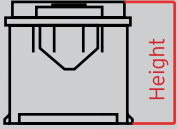
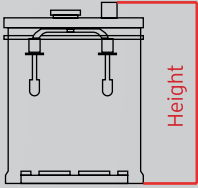
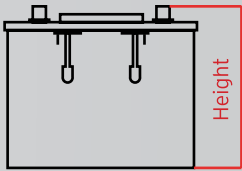
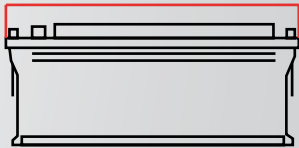
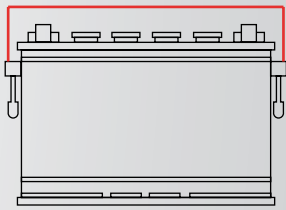
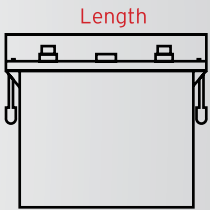
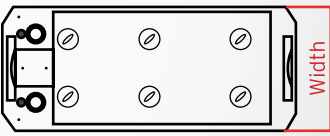
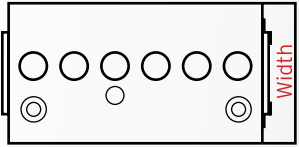
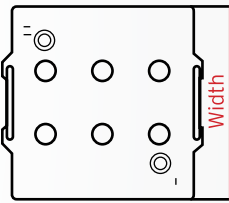
1 tapered terminal in compliance with DIN 72311 T.4



3 small-scale cambered terminals (Japanese type)



BCI 31 type terminal



OPTIONAL FEATURES

- SMF : Without Plugs
- MF : With Plugs
- HD : Heavy Duty
- SHD : Super Heavy Duty (3rd Level EN-Compliant Friction)
- RF : Resistant to Friction
- SRF : Super Resistant to Friction

Have a safe and enjoyable Ride with Bike Battery!



Apex Power Model No.	Voltage (V)	Capacity	Dimensions(mm)				Weight (Kg)	Charge	Terminal Type	CCA	CCA / 18° C
		10HR(Ah)	L	W	H	T.H.		Current (A)			
6N4-2A	6	4	71	71	94	94	0.83	0.4	—	50	25
YB2.5L-BS	12	2.5	81	71	105	105	1.11	0.25	—	75	25
YB3L-A	12	3	98	56	109	109	1.28	0.3	5	120	30
YB4L-B	12	4	120	71	91	91	1.65	0.4	4	170	45
YB5L-B	12	5	120	60	128	128	1.91	0.5	5	120	50
YTX6.5L-BS	12	6.5	139	66	101	101	2.29	0.65	5	215	70
YB7L-A	12	8	136	76	130	130	2.66	0.8	5	195	70
YB7-A/YB7-B	12	9	135	75	135	135	3.65	0.9	9	225	100
YB9L-B	12	9	136	76	139	139	2.95	0.9	5	160	95
YB10A-A2	12	11	134	88	155	155	4.06	1.1	9	300	140
YB12AL-A	12	12	134	80	161	161	4.35	1.2	5	230	120
YB12A-A	12	12	134	80	161	161	4.35	1.2	5	230	120
Y50-N18A-A	12	20	205	87	162	166	7.11	2	6	400	230
Y50-N18L-A	12	20	205	87	162	162	7.11	2	6	400	230
YTX4L-BS	12	4	114	70	85	85	1.41	0.4	4	130	40
YTX4L-BS	12	5	114	71	86	86	1.71	0.5	9	140	50
YTX5L-BS	12	4	114	69	109	109	1.93	0.4	4	160	55
YTX5L-BS	12	6	114	71	106	106	2.14	0.6	9	160	65
YTX5L-BS	12	5.5	114	70	105	105	1.87	0.55	4	150	65
YTX7L-BS	12	6	114	69	134	134	2.58	0.6	4	195	75
YTX7L-BS	12	7.5	114	71	130	130	2.61	0.75	9	170	80
YTX7L-BS	12	7	114	70	130	130	2.39	0.7	4	130	80
YTX7A-BS	12	6	151	87	95	95	2.55	0.6	4	175	85
YTX7A-BS	12	7	151	87	94	94	2.85	0.7	9	240	85
YTX9-BS	12	8	151	87	107	107	3.14	0.8	4	215	90
YTX9L-BS	12	8	151	87	107	107	3.14	0.8	4	215	90
YTX9-BS	12	9	151	87	105	105	3.47	0.9	9	240	90
YTX9L-BS	12	9	151	87	105	105	3.47	0.9	9	240	90
YTX12-BS	12	10	151	87	131	131	3.86	1	4	255	100
YTX12L-BS	12	10	151	87	131	131	3.86	1	4	255	100
YTX12-BS	12	12	151	87	130	130	4.35	1.2	9	260	120
YTX12L-BS	12	12	151	87	130	130	4.35	1.2	9	260	120
YTX14-BS	12	12	151	87	146	146	4.58	1.2	4	250	120
YTX14L-BS	12	12	151	87	146	146	4.58	1.2	4	250	120
YTX14-BS	12	14	151	87	145	145	4.93	1.4	9	275	150
YTX14L-BS	12	14	151	87	145	145	4.93	1.4	9	275	150
YTX15-BS	12	14	175	87	130	130	5.11	1.4	4	320	180
YTX15L-BS	12	14	175	87	130	130	5.11	1.4	4	320	180
YTX16-BS	12	14	151	87	161	161	5.11	1.4	4	250	140
YTX16L-BS	12	14	151	87	161	161	5.11	1.4	4	250	140
YTX16-BS	12	16	151	87	161	161	5.9	1.6	9	285	160
YTX16L-BS	12	16	151	87	161	161	5.9	1.6	9	285	160
YTX18-BS	12	20	205	87	162	162	7.11	2	4	420	230
YTX18L-BS	12	20	205	87	162	162	7.11	2	4	420	230
YB16-B	12	19	175	100	155	155	6.54	1.9	4	400	190
YB16L-B	12	19	175	100	155	155	6.54	1.9	4	400	190
YB16CL-B	12	21	175	100	175	175	7.49	2.1	4	415	210
YTX20CH-BS	12	18	151	87	161	161	5.71	1.8	9	295	180
YTX20-BS	12	18	175	87	155	155	6.05	1.8	4	400	210
YTX20L-BS	12	18	175	87	155	155	6.05	1.8	4	400	210
YTX20-BS	12	20	175	87	155	155	6.51	2	9	405	200
YTX20L-BS	12	20	175	87	155	155	6.51	2	9	405	200
YTX20H-BS	12	20	175	87	155	155	6.34	2	9	400	250
YTX20HL-BS	12	20	175	87	155	155	6.34	2	9	400	250
YTX24HL-BS	12	24	205	87	162	162	7.89	2.4	4	495	300
YIX30L-BS	12	30	168	127	177	177	9.2	3	4	500	280
YIX30-BS	12	28	168	127	177	177	9	2.8	4	500	280
YIX30L-BS	12	28	168	127	177	177	9	2.8	4	500	280
53030	12	28	178	123	166	166	8.52	2.8	3	400	280
Y60N-30L-A	12	30	186	130	170	170	9.42	3	3	410	300

Its Adventure Time
with AGM Battery!



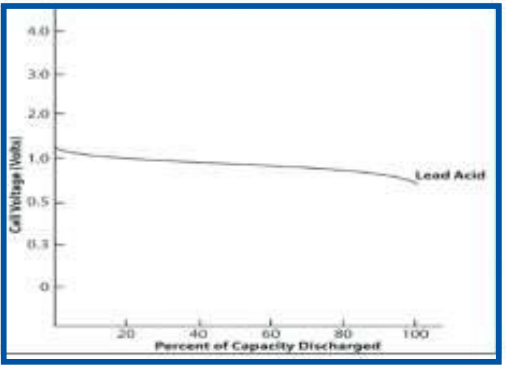
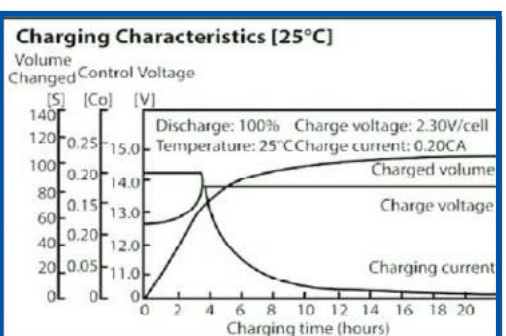
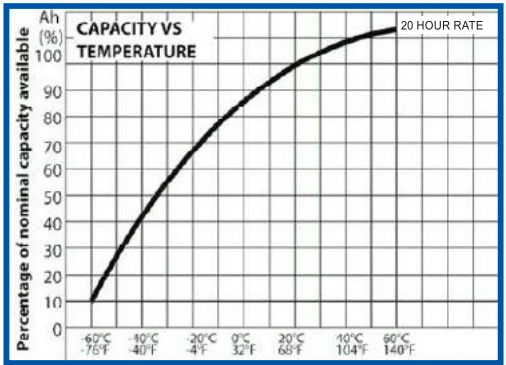
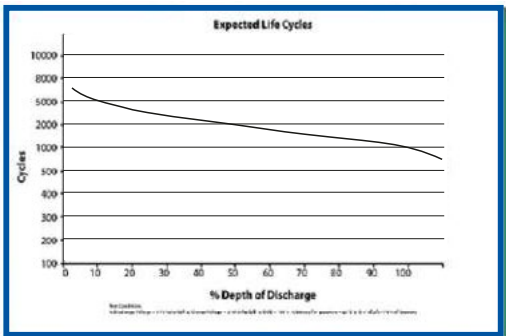
Model No.	Nominal Voltage (V)	Nominal Capacity (AH)	Dimensions(mm)				Weight (Approx.)		Terminal
			Length	Width	Height	Overall Height	Kg	Lb	
AP6-1.2	6	1.3	97	25	52	58	0.27	0.6	T1
AP6-2.8	6	2.8	66	33	97	104	0.55	1.21	T1
AP6-4	6	4	70	47	101	108	0.7	1.54	T1
AP6-4.5	6	4.5	70	47	101	107	0.76	1.68	T1
AP6-9	6	9	151	34	94	100	1.4	3.09	T1
AP6-10	6	10	151	50	94	100	1.45	3.2	T2
AP6-12	6	12	151	50	94	100	1.6	3.53	T2
AP12-1.3	12	1.3	98	43	52	58	0.5	1.1	T1
AP12-2.3	12	2.3	178	35	61	67	0.9	1.98	T1
AP12-4	12	4	90	70	101	107	1.42	3.13	T1
AP12-4.5	12	4.5	90	70	101	107	1.5	3.31	T1
AP12-7	12	7	151	65	94	100	2.15	4.74	T1
AP12-7.2	12	7.2	151	65	94	100	2.2	4.85	T1
AP12-7.5	12	7.5	151	65	94	100	2.3	5.07	T1
AP12-8.5	12	8.5	151	65	94	100	2.35	5.18	T1
AP12-9	12	9	151	65	94	101	2.4	5.29	T1
AP12-10	12	10	151	98	95	101	3.28	7.23	T2
AP12-12	12	12	151	98	95	101	3.6	7.94	T2
AP12-15	12	15	180	77	167	167	5	11.02	T3
AP12-17	12	17	180	77	167	167	5.3	11.68	T3
AP12-18	12	18	180	77	167	167	5.5	12.13	T8
AP12-20	12	20	180	77	167	167	5.8	12.79	T8
AP12-22	12	22	180	77	166	166	6.4	14.11	T8
AP12-24	12	24	166	175	125	125	8.2	18.08	T8
AP12-26	12	26	165	176	127	127	8.4	18.52	T3
AP12-28	12	28	165	175	125	125	9	19.84	T8
AP12-33	12	33	195	131	155	180	10.2	22.49	T7
AP12-35	12	35	195	131	155	180	10.8	23.81	T7
AP12-38	12	38	197	165	170	170	12.5	27.56	T4
AP12-40	12	40	197	165	170	170	13	28.66	T4
AP12-45	12	45	197	165	170	170	13.9	30.64	T4
AP12-50	12	50	230	138	208	211	16.5	36.38	T9
AP12-55	12	55	230	138	208	211	17.6	38.8	T9
AP12-60	12	60	260	168	211	214	20.6	45.42	T9
AP12-70	12	70	260	168	211	214	22.3	49.16	T9
AP12-75	12	75	260	168	211	214	23	50.71	T9
AP12-80P	12	80	260	168	211	214	23.5	51.81	T9
AP12-85	12	85	260	168	211	214	24	52.91	T9
AP12-65	12	65	350	167	179	179	22	48.5	T9
AP12-78	12	78	350	167	179	179	23	50.71	T9
AP12-80	12	80	350	167	179	179	24	52.91	T9
AP12-90	12	90	305	169	211	214	27	59.52	T9
AP12-95	12	95	306	169	211	214	28.5	62.83	T9
AP12-90P	12	90	330	171	214	220	27	59.52	T9
AP12-100S	12	100	330	171	214	220	28.5	63.33	T9
AP12-100	12	100	330	171	214	220	30	66.14	T9
AP12-120P	12	110	330	171	214	220	31	68.34	T9
AP12-110	12	110	281	267	207	210	31.5	69.45	T11
AP12-120	12	120	409	176	225	225	33	72.75	T11
AP12-134	12	134	341	172	280	285	41	90.39	T11
AP12-150	12	150	485	172	240	240	42	92.59	T11
AP12-180	12	180	494	206	209	235	55	121.25	T11
AP12-200	12	200	522	238	218	221	58	127.87	T11
AP12-250	12	250	521	269	220	223	68	149.91	T11

Power up Your Solar System with High-Performance Tubular Batteries

Technical Specifications

Model	DU 1000	DU 1500	DU 2000	DU 2200	DU 2400	DU 2500
Parameters	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
Container	PPCP	PPCP	PPCP	PPCP	PPCP	PPCP
Separator	PVC German	PVC German	PVC German	PVC German	PVC German	PVC German
Nominal Voltage	12V	12V	12V	12V	12V	12V
No. Of Cells	6	6	6	6	6	6
Design Life	8 Years	8 Years	8 Years	8 Years	8 Years	8 Years
Nominal Capacity(20°C)						
20 Hr Rate (10A,10.5)	100Ah	150Ah	200Ah	220Ah	240Ah	250Ah
10hr Rate (16A,10.5v)	88Ah	132	176.0Ah	193.6Ah	211.2Ah	220Ah
3hr Rate (38.24A, 10.8V)	64.5	96.8	129	141.9	154.8	161.25
Self Discharge	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm	<3%Pm
Operating Temperature Range						
Discharge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Charge	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Storage	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C	0~55°C
Max. Discharge Current 77°F(25°C)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)	600A(3s)
Short Circuit Current	100A	150A	200A	220A	240A	240A
Charge Methods:	CCCV 77°F(25°C)					
Cycle Use	14.4-14.7V					
Maximum Charging Current	10A	15A	20A	22A	24A	25A
Temperature Compensation	75mV/300moh					
Standby Use	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V	13.8-14.2V
Dimension	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408	503x190x408
Weight+3% Kgs	52	56	64	66	69	72

IS 13369, IEC 60896-11 Stationary Lead Acid Battery, ISO 9001:2015, CE Complied.



Electrical Performance

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.

POWERING YOUR JOURNEY



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