

Brand	Carline Family	Code	EV Type	Battery Model	Weight	Manufacturer	Place	Chemistry	Status	Rated capacity	Applied charge C-rate	Applied discharge C-rate	Power at maxi charge level	Power capability at 80% of the charge level (In kW)	Power capability at 50% of the charge level (In kW)	Power capability at 20% of the charge level (In kW)	Internal Resistance	Energy round trip efficiency	Ratio between nominal battery power (W) and battery energy (Wh)	Expected Lifetime (In number of equivalent reference cycle)	Expected lifetime (In calendar ageing)	Reference cycle used for expected lifetime
ALFA ROMEO	Junior	A966	BEV	BS2-054-4-2_0	340 kg	Stellantis Auto SAS	Tychy (Poland)	Li-Ion NMC	New	145.2 Ah	C/3 until 4.25V then C/20	C/3 until 2.5V	136000 W	136 kW	136 kW	135 kW	0.114 Ω	97 %	2.5 h-1	1000 reference cycles	15 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)
ALFA ROMEO	Junior	A966	BEV	BS2-054-4-2_1	340 kg	Stellantis Auto SAS	Poissy (France)	Li-Ion NMC	New	145.2 Ah	C/3 until 4.25V then C/20	C/3 until 2.5V	155000 W	155 kW	155 kW	155 kW	0.114 Ω	97 %	2.84 h-1	1000 reference cycles	15 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)
ALFA ROMEO	Junior	A966	BEV	BS2-054-4-5	340 kg	Stellantis Auto SAS	Tychy (Poland)	Li-Ion NMC	New	145.2 Ah	C/3 until 4.25V then C/20	C/3 until 2.5V	235000 W	235 kW	215 kW	181 kW	0.114 Ω	97 %	4.31 h-1	1000 reference cycles	15 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)
ALFA ROMEO	Junior	A966	MHEV P2	BSX-001-0-1	12.2 kg	FinDreams Battery	Huizhou (China) Chuzhou (China)	Li-Ion NMC	New	20 Ah	1C up to 42V	1C down to 28V	28400 W	25.7 kW	22.6 kW	12.2 kW	0.007 Ω	98 %	27 h-1	22000 reference cycles	15 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)
ALFA ROMEO	Tonale	A965	MHEV P2	BMO-001-0-1	13.2 kg	Robert Bosch	Feuerbach (Germany)	Li-Ion NMC	New	17.5 Ah	1C	1C	22500 W	22.5 kW	27 kW	26 kW	0.0114 Ω	98 %	28.6 h-1	11680 reference cycles	10 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)
ALFA ROMEO	Tonale	A965	PHEV	BMO-015-4-1	118 kg	CATL	Ningde (China)	Li-Ion NMC	New	51 Ah	C/2 cut off voltage 4.18v	1C cut off voltage 2.8v	99160 W	96.63 kW	88.75 kW	80.7 kW	0.2 Ω	96 %	5.7 h-1	2500 reference cycles	15 years	Specific cycling procedure dependent on the battery chemistry and the EV application (please contact us for more details)

# Portable batteries information (EU Regulation 2023.1542)



Battery Reference	Manufacturer information	Safety Instruction
CR2032 CR 2450 CR 2450B CR 123A CR2032HR	Panasonic Energy Co. Ltd. 1-1 Matsushita-cho, Moriguchi city, Osaka 570-8511, Japan <a href="https://www.Panasonic.com/global/en/ery.html">https://www.Panasonic.com/global/en/ery.html</a>	<p><b>WARNING</b></p> <ol style="list-style-type: none"> <li>Do not place the battery in high or low temperature environment. Do not put the battery into a fire or heat the battery.</li> <li>Do not drop the battery or subject the battery to strong pressure, impacts or vibrations. Do not drive a nail in, hit with a hammer or stamp the battery. Do not strike the battery in other ways.</li> <li>Do not disassemble or alter the battery.</li> <li>Do not submerge the battery in water, do not wet the battery when use and store the battery.</li> <li>Do not let the battery terminals (+ and -) contact with any metal (like a wire, a metal necklace or a hairpin), may cause short-circuit.</li> <li>Do not leave the battery in charger or equipment if you notice abnormalities with the battery such as abnormal odors, abnormal sounds, smoke emission, heat generation, discoloration, deformation, electrolyte leak, or cause any other abnormality.</li> </ol>
CR 123A	Guangzhou GreatPower Energy & Technology Co., Ltd. No. 912, West Village Segment, Shiliang Road, Shawan Town Panyu District, Guangzhou City, Guangdong Province, P. R. China, 511483	<p><b>NOTICE</b></p> <ol style="list-style-type: none"> <li>Battery should be charged with proper charger, in compliance with correct operation contents.</li> <li>Do not dispose of battery by yourself. Consult your dealer for disposal methods.</li> </ol> <p>Use the product only for the specified tires of the specified vehicle.                      Using for other tires or vehicles can cause damage of the battery, malfunction or poor performance.                      For reasons of safety and for optimal function, any mounting or demounting to tire operation should be done by trained experts following the instruction manual.                      If this is not followed, a damage of battery or malfunction or poor performance can occur.</p>
CR2032HR CR2032HR HAOS-T41	Maxell, Ltd. Takumidai 5, Ono-shi, Hyogo, 675-1322 Japan	<p>The battery used cannot be replaced or charged.                      Please do not disassemble this product or throw it into fire.                      After using this product, please request collection to a specialized company.</p> <p><b>CAUTION</b>                      Do not ingest battery.                      Chemical Burn Hazard.                      This product contains a coin button cell battery.                      If the coin /button is swallowed. It can cause severe internal burns in just 2 hours and can lead to death.                      Keep new and used batteries away from children.                      If the battery compartment does not close securely, stop using the product and keep it away from children.                      If you think batteries might have been swallowed or place inside.</p>
HL18650HT	TWS Technology (GUANGZHOU) Limited 39 NAN YUN SAN ROAD, SCIENCE PARK, HUANGPU DISTRICT 510663 GUANGZHOU (China)	<p>Risk of explosion if the battery is replaced by an incorrect type.                      Replace the battery by the same type.</p>
UR18650RX	SKYPOWER Room 702, 7/F, SPA Centre, No. 53-55 Lockhart Road, Wan Chai, Hong Kong	<p>Risk of explosion or the leakage of flammable liquid or gas.                      Do not use in/store in/bring into environment of extremely high temperature or extremely low pressure due to the very high altitude.                      Do not attempt to burn, crush or cut used battery.                      Do not charge, Charging is dangerous as it may cause leakage, heat generation, explosion or fire.                      Dispose of used batteries according to the local laws.</p>