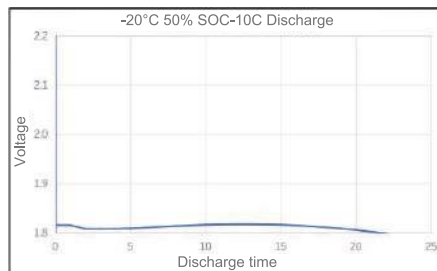
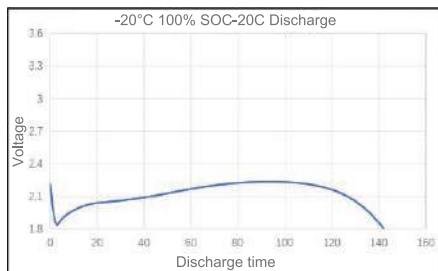
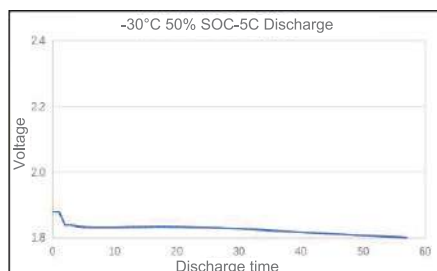
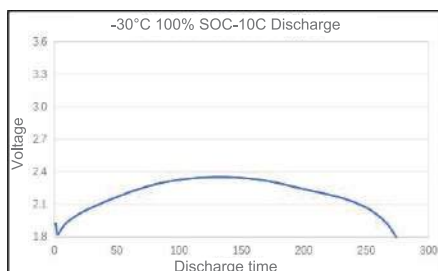


Stable low-temperature discharge capability

In winter's low temperatures, at -20°C and -30°C, it can consistently discharge power across various magnifications, meeting the high-power demands of different devices in instantaneous scenarios.



Test temperature/°C	SOC	Magnification	Initial discharge capacity (mAh)	Discharge capacity (mAh)	Discharge time(s)	Capacity release rate
-20°C	100%	20C	0.8309	0.6900	142	80.04%
	50%	10C	0.5009	0.0666	22	13.29%



Test temperature/°C	SOC	Magnification	Initial discharge capacity (mAh)	Discharge capacity (mAh)	Discharge time(s)	Capacity release rate
-30°C	100%	10C	0.8224	0.6645	274	80.80%
	50%	5C	0.4958	0.0855	57	17.24%

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Sodium-ion Na^+ Motorcycle Starting Battery

3X Power

IP65

Fuel Saving



Shenzhen JQB Industrial Co., Ltd.



Motorcycle Starting Battery



Model Number	YTX4A	YTX4A+	YTX5A	YTX9A	YTX9A+
Battery Capacity	0.85Ah	1.7Ah	2.55Ah	3.4Ah	4.25Ah
Replacement for Lead-Acid Capacity	4Ah	4Ah	7Ah	9Ah	11Ah
Rated Voltage	12V	12V	12V	12V	12V
Peak Discharge Current	200A	380A	500A	600A	680A
Charge Cut-off Voltage	14.8V	14.8V	14.8V	14.8V	14.8V
Discharge Cut-off Voltage	7.2V	7.2V	7.2V	7.2V	7.2V
S (Series) P (Parallel)	4S1P	4S2P	4S3P	4S4P	4S5P
Dimensions (mm)	113x69x86	113x69x86	113x69x107	150x86x105	150x86x105
Protection Rating (IP Rating)	IP65	IP65	IP65	IP65	IP65

Na⁺

High Power Battery

Key Features



3X Power of Lead-acid battery

High ignition efficiency: large instantaneous starting discharge rate; 0.5-second ignition, low starting energy consumption, fuel saving, and complete combustion.



Lightweight

It is only 1/3 of a lead-acid battery of the same volume, making it easy to transport. The battery is free from heavy metal pollution and radiation, and is environmentally friendly.



IP65 Waterproof

Silicone Sealing makes excellent sealing performance



Working Temperature

Wide working temperature range: it can startup at -40°C to 80°C.



Enhanced Safety

No fire, no explosion, flame retardant, earthquake-resistant, high protection level.



Long Span Life

The battery can start more than 30,000 times, with a service life of over 2 years.



Motorcycle Starting Battery

Model Number	YTX4A*	12N5L	12N6.5L	12N7L	YTX7A	12N9L	12N28A	YTX36A
Battery Capacity	0.85Ah	1.7Ah	2.55Ah	2.55Ah	2.55Ah	3.4Ah	5.1Ah	6.8Ah
Replacement for Lead-Acid Capacity	4Ah	5Ah	6.5Ah	7Ah	7Ah	9Ah	28Ah	36Ah
Rated Voltage	12V	12V	12V	12V	12V	12V	12V	12V
Peak Discharge Current	51A	102A	153A	153A	153A	204A	306A	408A
Charge Cut-off Voltage	14.8V	14.8V	14.8V	14.8V	14.8V	14.8V	14.8V	14.8V
Discharge Cut-off Voltage	7.2V	7.2V	7.2V	7.2V	7.2V	7.2V	7.2V	7.2V
S (Series) P (Parallel)	4S1P	4S2P	4S3P	4S3P	4S3P	4S4P	4S6P	4S8P
Dimensions (mm)	113x69x86	120x61x126	138x65x103	113x69x131	150x86x94	137x77x134	190x125x170	190x125x170
Protection Rating (IP Rating)	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65

*This model is only suitable for motorcycles with an engine displacement below 110CC.

Supports ultra-high discharge rate

Supports short-term high current output, with the battery maintaining high efficiency even under extreme conditions of 70C, achieving industry-leading performance metrics.

Ambient temperature discharge rate

Sodium-ion battery VS lead-acid battery

Item	Sodium-ion battery	lead-acid battery	Comparison result
Cycle life	≥3000 cycles	≥300 cycles	The lifespan of sodium batteries, when fully charged and discharged, is ten times that of lead-acid batteries.
Low-temperature performance	Supports high current discharge at -40°C	Below 0°C, only partial energy can be released	The rate performance of sodium batteries in low-temperature environments surpasses that of lead-acid batteries
High-temperature performance	Good, supports normal use at 60°C	Generally, prone to swelling	The discharge performance of sodium batteries is superior under high-temperature conditions.
Self discharge	≤ 2% per month	≥ 10% per month	Sodium batteries can store energy for extended periods, and their capacity can be restored by charging after long-term storage.
Fast charging	Supports 3C fast charging	Does not support fast charging above 1C	Sodium batteries support fast charging
High current discharge	Supports 80C instantaneous discharge and 35C continuous discharge	Does not support high current discharge of ≥30°C	Sodium batteries exhibit superior discharge performance.
Weight energy density	≥120Wh/kg	≤40Wh/kg	The energy density by weight of sodium batteries is more than three times that of lead-acid batteries.
Volume energy density	≥260Wh/L	≤130Wh/L	The volumetric energy density of sodium batteries is more than twice that of lead-acid batteries.