Shenzhen Shangguo Technology Co., Ltd
深圳市商国科技有限公司

Innovative ODM Solutions, Custom Batteries Worldwide

创新ODM解决方案
全球定制，专属电池



www.id-battery.com
Email：sales@shangguotech.com



Shenzhen Shangguo Technology Co., Ltd, established in 2017, is a national high-tech enterprise specializing in the R&D, production, and sales of high-quality battery products. **With an 8,000-square-meter modern production facility, over 120 employees**, and multiple automated production lines, we are committed to providing safe, reliable, and high-performance battery solutions for global customers.

We pride ourselves on our strong in-house R&D capabilities and a well-equipped laboratory capable of conducting comprehensive safety tests including overcharge, over-discharge, short circuit, drop, and impact tests. **All products comply with international certifications such as CE, RoHS, UL, FCC, and we provide full support for OEM/ODM projects** with complete shipping documentation including MSDS, air and sea transportation reports.

Our main products include **laptop batteries (fully compatible with Apple MacBook series), camera batteries, action camera batteries, trail camera batteries, audio equipment batteries, power banks, and PDA/industrial tool batteries**, widely used in consumer electronics, outdoor photography, sports recording, audio devices, industrial handheld equipment, and more.

With core advantages of in-house manufacturing, efficient production capacity, and a professional team, we maintain a defect rate of **less than 1%** and strive to be a trusted battery partner for customers worldwide.

Business Partners

COMPANY

Shenzhen Shangguo Technology Co., Ltd
深圳市商国科技有限公司

Technology

Shangguo Technology is supported by a professional technical team composed of experienced engineers and industry experts, with core members possessing over 10 years of expertise in battery R&D and manufacturing. The team focuses on innovations in electrochemical systems, BMS (Battery Management System) development, and structural design, enabling rapid response to market changes and delivering high-performance, high-safety battery solutions. We have accumulated multiple invention and utility model patents in areas including fast-charging technology, intelligent thermal management, and multi-layer circuit protection, ensuring continuous leadership in safety, cycle life, and energy efficiency.

Our company is equipped with an industry-leading battery testing laboratory with comprehensive safety and performance validation capabilities, including:



Reliability Tests

Reliability Tests: Vibration, mechanical shock, aging tests, load simulation, etc.;

Safety Tests

Overcharge, over-discharge, short circuit, nail penetration, crush, drop, hightemperature and humidity, thermal shock, etc.;

Performance Tests

Performance Tests: Cycle life, capacity degradation, internal resistance analysis, discharge characteristics under various temperature and humidity conditions,etc.;



Certification Support: Full compliance with international certification requirements including CE, RoHS, UL, FCC, PSE, and KC.

Shenzhen Shangguo Technology Co., Ltd
深圳市商国科技有限公司

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A1493/A1582
A1494/1618
A1705/A1527
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A1953
A1964
A1965
A2113
A2389
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WDX0R

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EN-EL15C
LP-E17D
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Insta360 X4 Battery
Insta360 X5 Battery

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687002S
210-BATT
JHH-TKFW100
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6. Charging Accessories (P8)

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AAA-C8
S2302-X3
S2302-GO
S2302-X5
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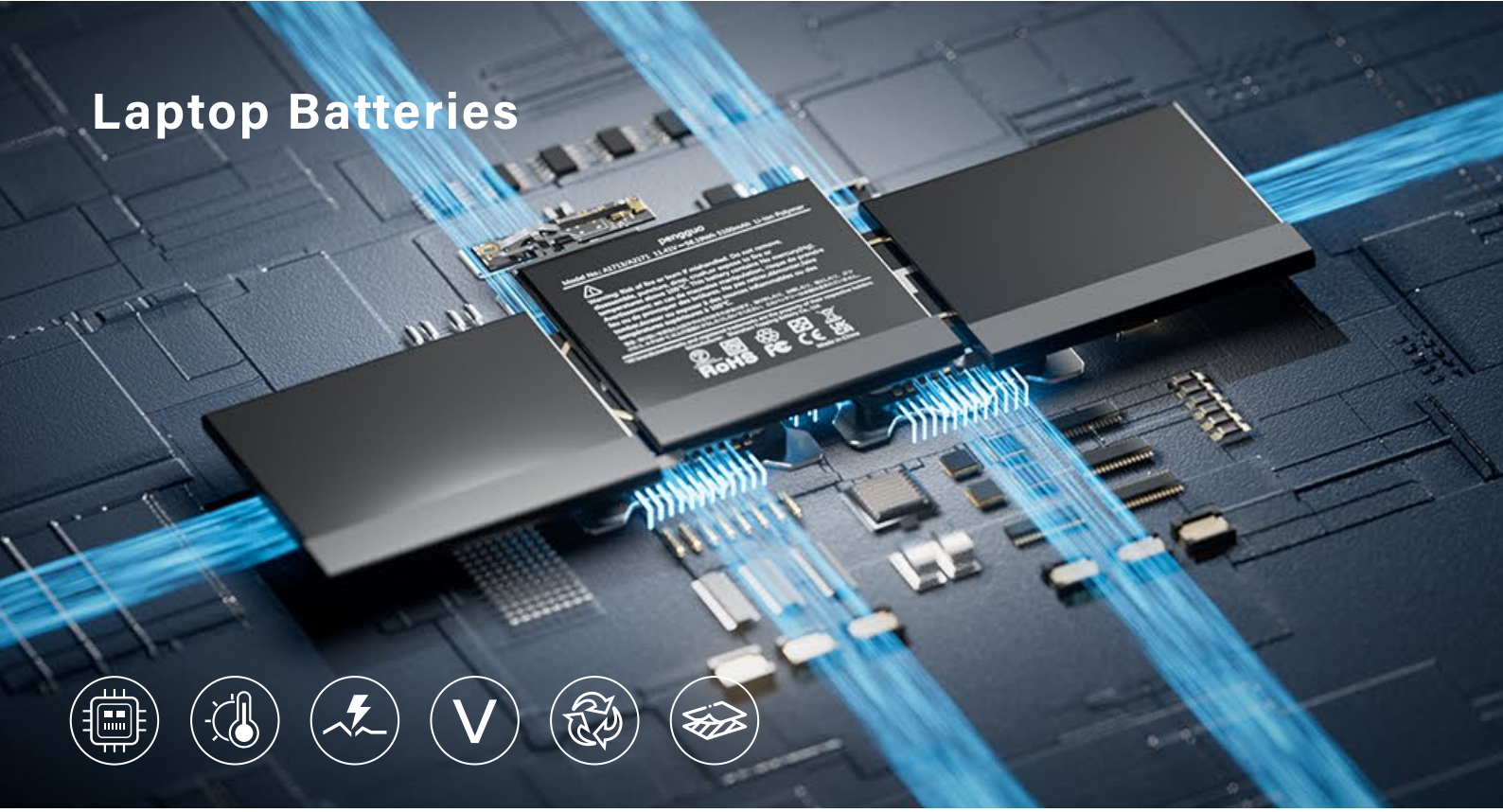
7. Other Consumer Batteries (P9)

S2451
HB-FG4CEL21700
SPBT
Avata2 Battery
300-10186 Replacement
SG-LK72

8. Custom Batteries (P10)

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Laptop Batteries



7200 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



Battery Model: A1382
Laptop Model: A1286
Compatible With: MacBook Pro 15"(2010-2012)
Nominal Voltage: 10.95V
Nominal Capacity: 7200mAh
Rated Energy: 78.84Wh
OEM&ODM: Support

8000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



Battery Model: A1405
Laptop Model: A1466/A1369
Compatible With: MacBook Air 13"(2011-2017)
Nominal Voltage:7.6V
Nominal Capacity: 8000mAh
Rated Energy: 60.8Wh
OEM&ODM: Support

8680 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



Battery Model: A1417
Laptop Model: A1398
Compatible With: MacBook Pro 15"(2012-2013)
Nominal Voltage: 10.95V
Nominal Capacity: 8680mAh
Rated Energy: 95Wh
OEM&ODM: Support

7000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



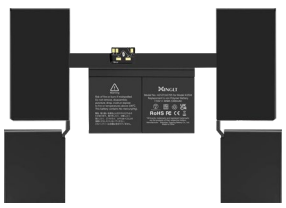
Battery Model: A1493/A1582
Laptop Model: A1502
Compatible With: MacBook Pro 13"(2013-2015)
Nominal Voltage: 11.34V
Nominal Capacity: 7000mAh
Rated Energy: 79.4Wh
OEM&ODM: Support

8440 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



Battery Model: A1494/1618
Laptop Model: A1398
Compatible With: MacBook Pro 15"(2013-2015)
Nominal Voltage:11.26V
Nominal Capacity: 8440mAh
Rated Energy: 95Wh
OEM&ODM: Support

5300 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS



Battery Model: A1705/A1527
Laptop Model: A1534
Compatible With: MacBook 12"(2015-2017)
Nominal Voltage: 7.56V
Nominal Capacity: 5300mAh
Rated Energy: 40Wh
OEM&ODM: Support



5100 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1713/A2171
Laptop Model: A1708/A2159/A2289/A2338
Compatible With: MacBook Pro 13"(2016-2017/2019-2020)
Nominal Voltage: 11.41V
Nominal Capacity: 5100mAh
Rated Energy: 58.19Wh
OEM&ODM: Support



4320 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1819
Laptop Model: A1706
Compatible With: MacBook Pro 13"(2016-2017)
Nominal Voltage: 11.4V
Nominal Capacity: 4320mAh
Rated Energy: 49.2Wh
OEM&ODM: Support



6680 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1820
Laptop Model: A1707
Compatible With: MacBook Pro 15"(2016-2017)
Nominal Voltage: 11.4V
Nominal Capacity: 6680mAh
Rated Energy: 76.15Wh
OEM&ODM: Support



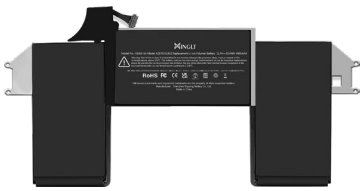
7400 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1953
Laptop Model: A1990
Compatible With: MacBook Pro 15"(2018-2019)
Nominal Voltage:11.4V
Nominal Capacity: 7400mAh
Rated Energy: 84.36WH
OEM&ODM: Support



5100 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1964
Laptop Model: A1989
Compatible With: MacBook Pro 13"(2018-2020)
Nominal Voltage:11.41V
Nominal Capacity: 5100mAh
Rated Energy: 58.19Wh
OEM&ODM: Support



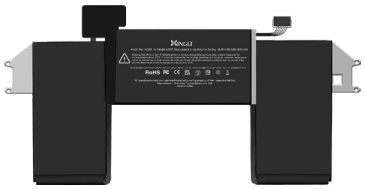
4800 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A1965
Laptop Model: A1932/A2179
Compatible With: MacBook Air 13"(2018-2020)
Nominal Voltage: 11.4V
Nominal Capacity: 4800mAh
Rated Energy: 55Wh
OEM&ODM: Support



8700 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A2113
Laptop Model: A2141
Compatible With: MacBook Pro 16"(2019)
Nominal Voltage: 11.36V
Nominal Capacity: 8700mAh
Rated Energy: 98.8Wh
OEM&ODM: Support



4800 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: A2389
Laptop Model: A2337
Compatible With: MacBook Air 13"(2020)
Nominal Voltage: 11.4V
Nominal Capacity: 4800mAh
Rated Energy: 55Wh
OEM&ODM: Support



3600 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: HT03XL
Laptop Model: HP Pavilion 14/15/17 series
Compatible With: HP Pavilion Series
Nominal Voltage: 11.55V
Nominal Capacity: 3600mAh
Rated Energy: 41.9WH
OEM&ODM: Support



3680 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Battery Model: WDXOR
Laptop Model: Dell Inspiron/Vostro/Latitude Series
Compatible With: DELL Inspiron series/Vostro Series
Nominal Voltage: 11.4V
Nominal Capacity: 3680mAh
Rated Energy: 42Wh
OEM&ODM: Support

Digital Batteries





2600 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: DMW-BLK22D
Compatible With: Panasonic
Nominal capacity:2600mAh
Nominal voltage:7.4V
Charging cut-off voltage:8.4V
Discharge cut-off voltage:6.0V



2600 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: EN-EL15C
Compatible With: Nikon
Nominal capacity:2400mAh
Nominal voltage:7.0V
Charging cut-off voltage:8.4V
Discharge cut-off voltage:6.0V



1500 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: LP-E17D
Compatible With: Canon
Nominal capacity:1500mAh
Nominal voltage:7.4V
Charging cut-off voltage:8.4V
Discharge cut-off voltage:6.0V



1800 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: IS360X3B
Compatible With: Insta 360 X3
Nominal capacity:1800mAh
Nominal voltage:3.85V



2300 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: 360-BX4
Compatible With: Insta 360 X4
Nominal capacity:2300mAh
Nominal voltage:3.85V



2800 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: 360-BX5
Compatible With: Insta 360 X5
Nominal capacity:2800mAh
Nominal voltage:3.89V

Power Tools & Equipment Batteries





4000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2524
Compatible With: Husqvarna Mähroboter
Nominal Voltage:18.5V
Nominal Capacity: 3600mAh
Rated Energy: 66.6Wh



6000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: JHSD-VR200
Compatible With: Vorwerk Kobold VR200 vacuum cleaner
Nominal Voltage:14.4V
Nominal Capacity: 6000mAh
Rated Energy: 86.4Wh



3200 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: 687002S
Compatible With: WYZE Video Doorbell
Nominal Voltage:7.2V
Nominal Capacity: 3200mAh
Rated Energy: 23.04Wh



2400 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: 210-BATT
Compatible With: M210/M210-LAB/B-MP21-LAB/BMP21-PLUS
Nominal Voltage:7.4V
Nominal Capacity: 2400mAh
Rated Energy: 17.76Wh



4000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: JHH—TKFW100
Compatible With: Floor ONE S5 PRO 2/S5 Smart/S5 vacuum cleaner
Nominal Voltage:21.6V
Nominal Capacity: 4000mAh
Rated Energy: 64.8Wh



5000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: Kärcher Battery
Compatible With: Karcher 18V battery
Nominal Voltage:18V
Nominal Capacity: 5.0Ah

Outdoor Power Solutions (Trail Camera Battery and Solar Panels)





6000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: EM6

Compatible With: Tactacam Reveal Cellular Trail Camera

Nominal capacity:6000mAh

Nominal voltage:7.4V



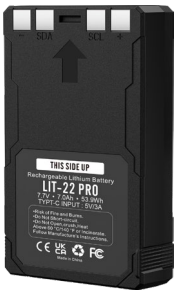
5000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: EM8

Compatible With: Moultrie Edge cellular trail camera

Nominal capacity:5000mAh

Nominal voltage:10.8V



7000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: LIT-22 Pro

Compatible With: Spypoint Flex-M , Flex G-36, Flex-Plus, Flex-S, Dark, S-Dark Camera

Nominal capacity:7000mAh

Nominal voltage:7.7V



1000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: L1000D

Compatible With: GardePro Trail Camera

Nominal capacity:10000mAh

Nominal voltage:3.85V



7000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: EM9

Compatible With: Defend Security Camera

Nominal capacity:7000mAh

Nominal voltage:7.2V



10200 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: LIT-10

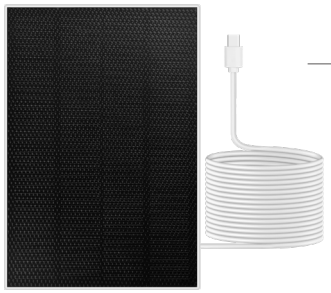
Compatible With: Spypoint Trail Camera

Nominal capacity:10200mAh

Nominal voltage:3.7V

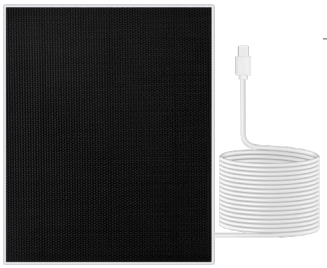
Outdoor Power Solutions (Trail Camera Battery and Solar Panels)





4000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model：S2535
Power：3W
Capacity：4000mAh
Output interface：DC



8000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model：S2534
Power：5W
Capacity：8000mAh
Output interface：DC



4000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model：S2313-3W
Power：3W
Capacity：4000mAh/6000mAh
Input current and voltage：5V/2A
Output current and voltage: 12V/1A--6V/1.5A



12000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model：S2313-8W
Power：8W
Capacity：12000mAh/20000mAh
Input current and voltage：5V/3A(Type-C)
Output current and voltage:
5V/3A--6V/2A--12V/1.5A
Output interface：5V(Type-C)--6V
(DC35135+DC4017)--12V(DC5521)

Mobile Power Banks





10000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: Q1001
Capacity: 10000mAh
Type-C /Input: 5V3A/9V2A/12V1.5A
Type-C /Output:
5V3A/9V2.22A/12V1.67A/10V2.25A
Lightning /Input: 5V3A/9V2A/12V1.5A
Lightning /Output: 5V3A/9V2.22A/12V1.67A
Power: 22.5W
LED: Digital Display



10000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: SQ57
Capacity: 10000mAh
Type-C /Input: 5V2.6A/9V2A/12V1.5A
Type-C /Output: 5V3A/9V2.22A/
12V1.67A/10V2.25A
Type-C /Output: 5V3A/9V2.22A/
12V1.67A/10V2.25A
Power: 22.5W



10000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: Q1002
Capacity: 10000mAh
Type-C /Input: 5V3A/9V2A/12V1.5A
Type-C /Input: 5V3A/9V2.22A/12V1.67A/10V2.25A
Type-C /Plug Output:
5V3A/9V2.22A/12V1.67A/10V2.25A
Lightning /Input: 5V3A/9V2A/12V1.5A
Lightning /Output: 5V3A/9V2.22A/12V1.67A
Power: 22.5W
LED: Digital Display



1000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: Q1003
Capacity: 10000mAh
Type-C /Input: 5V3A/9V2A/12V1.5A
Type-C /Output:
5V3A/9V2.22A/12V1.67A/10V2.25A
Type-C Plug Output:
5V3A/9V2.22A/12V1.67A/10V2.25A
Lightning /Input: 5V3A/9V2A/12V1.5A
Lightning /Output: 5V3A/9V2.22A/12V1.67A
Power: 22.5W

Charging Accessories





5V/3A UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: AA-C8
Input: 5V/3A
Lithium-ion Battery charge output: 5V/350mAx8
NiMH battery charging output: 1.2V/300mAx8



5V/3A UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: AAA-C8
Input: 5V/3A
Output: 5V/350mAx8



5V/3A UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2302-X3
For Insta 360 X3 Battery
Input:5V/3A
Output: 4.4V/1.5Ax2



5V/3A UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2302-GO
For GoPro 12 Battery
Input:5V/3A
Output: 4.4V/1.5Ax2



5V/3A UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2302-X4
For Insta 360 X4 Battery
Input:5V/3A
Output: 4.4V/1.5Ax2



5V/9V UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2302-X5
For Insta 360 X5 Battery
Input:Type-C PD 5V-9V
Output: 4.48V/2Ax2

Other Consumer Batteries





10000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2451

Compatible With: JBL PartyBox Stage 320 & Xtreme 4

Input: 5V/3A

Nominal capacity:10000mAh

Nominal voltage:7.4V



5000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: HB-FG4CEL21700

Compatible With: JBL PartyBox Club 120

Input: 5V/3A

Nominal capacity:5000mAh

Nominal voltage:7.2V



6000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: SPBT

Compatible With: Spark Live, Spark 2 & Spark Edge

Nominal capacity:6000mAh

Nominal voltage:14.4V



2150 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: Avata2 Battery

Nominal Voltage:14.76V

Nominal Capacity: 2150mAh

Rated Energy: 31.7Wh



3600 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: S2524

Compatible With: Husqvarna Mähroboter

Nominal Voltage:18.5V

Nominal Capacity: 3600mAh

Rated Energy: 66.6Wh



5000 mAh UL/CE/FCC/ROHS/UKCA /PSE/UN38.3/MSDS

Model: SG-LK72

Compatible With: PIXMA TR150 and TR160 Wireless Portable Printer

Nominal Voltage:10.8V

Nominal Capacity: 5000mAh

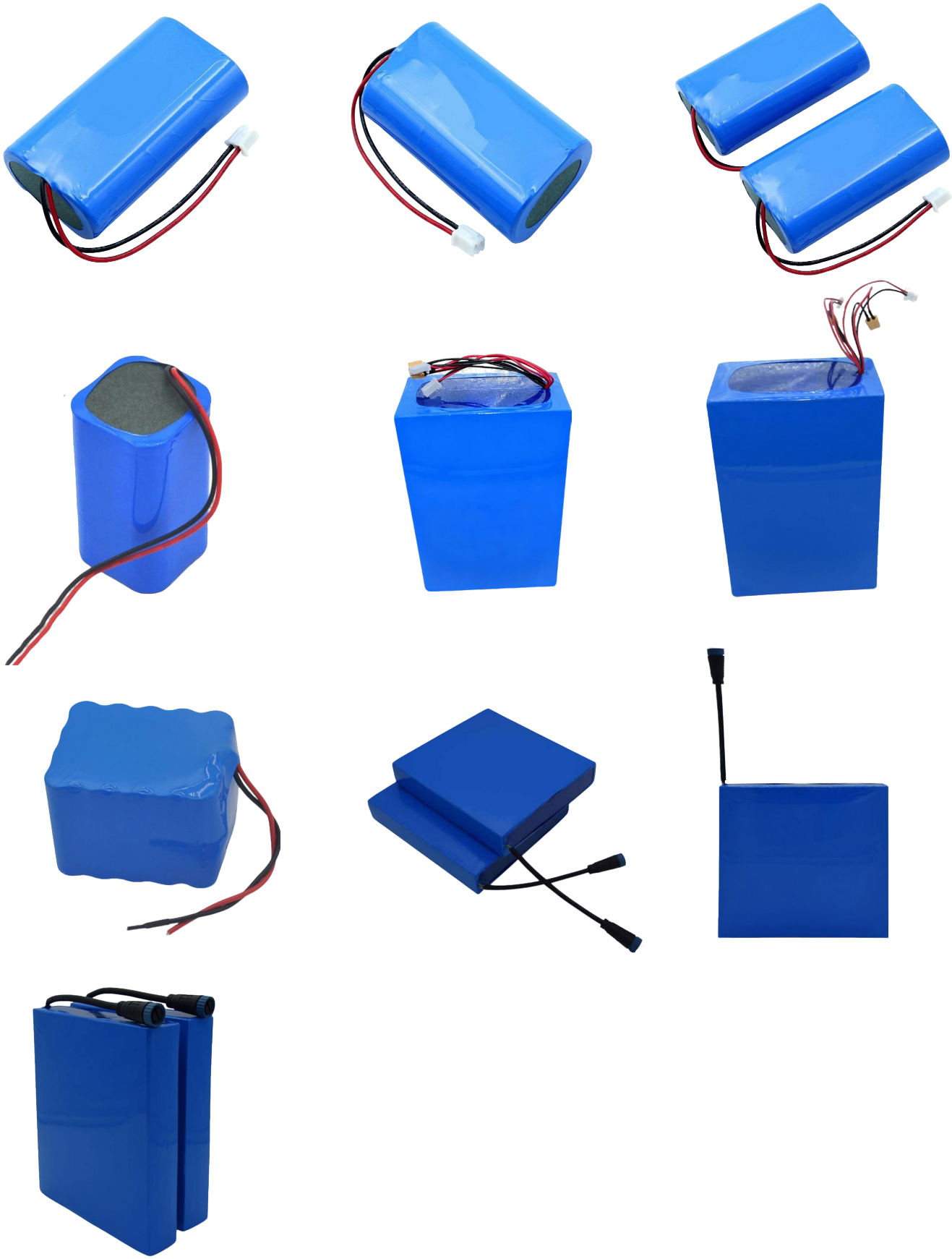
Rated Energy: 54Wh

Type-C Input: 5V/3A,9V/3A,15V/2A,20V/1.5A

Type-C Output: 5V/3A,9V/3A,15V/2A,20V/1.5A

Custom Batteries

Battery packs with various voltages and capacities can be customized



After-Sales Commitment

After-Sales Commitment
Shangguo Technology provides comprehensive and reliable after-sales support:

12 month

Warranty Policy
All battery products come with a 12 month warranty.
Free repair or replacement during the warranty period.



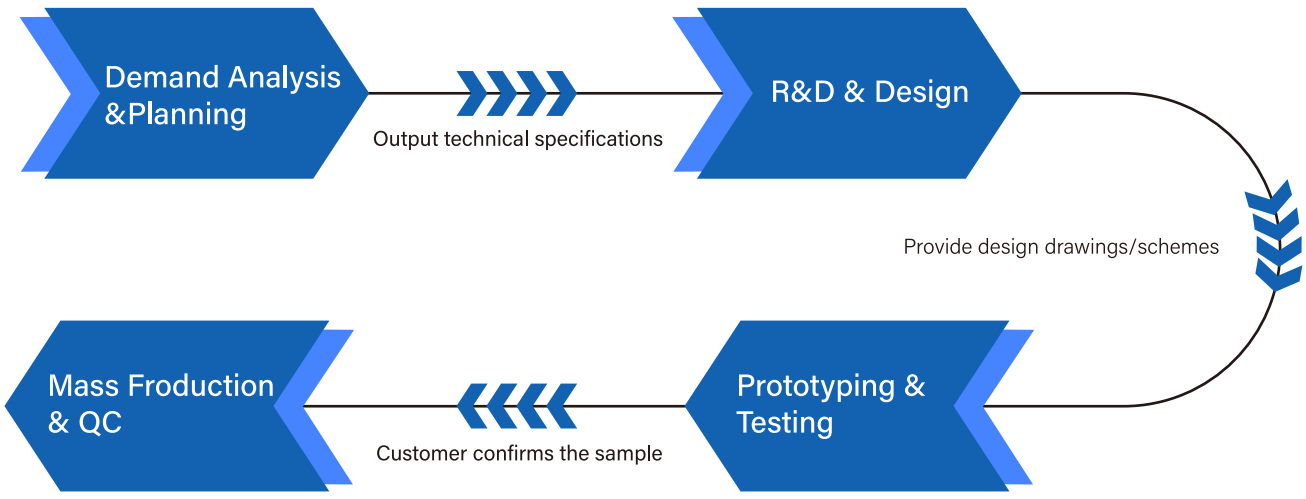


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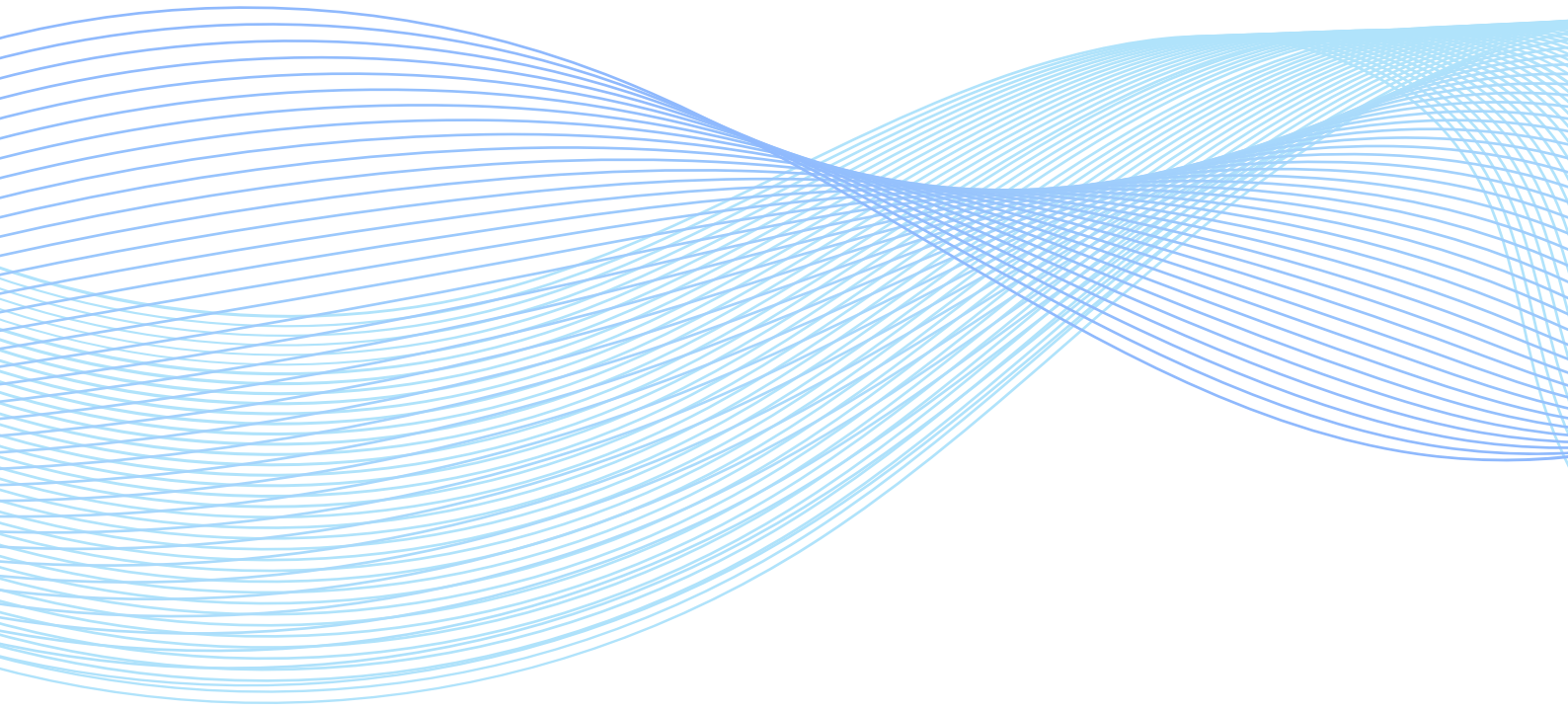
Technical Support
Our professional engineering team offers 7×24 online response, promptly answering technical inquiries and providing usage guidance and remote troubleshooting

We promise: timely response, professional handling, and customer-centric service

Product Development Flowchart



Power your vision



www.id-battery.com

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