



新普科技股份有限公司  
新世電子(常熟)有限公司  
新普科技(重慶)有限公司  
華普電子(常熟)有限公司  
Simple Technology Co., Ltd.  
Simple Technology(Changshu)Inc.  
Simple Technology(Chongqing)Inc.  
Huapu Technology(Changshu)Inc.

# MATERIAL SAFETY DATA SHEET

Issued/Revised date :May 22 2018

Document No. : HP-180522001

## 1. Product and Company Identification

Product Identification :

Lithium-Ion Rechargeable Battery Pack

Model Name: refer to appendix 17

HP P/N: refer to appendix 17

Rating: Wh: refer to appendix 17

Manufacturer :

Simple Technology Co., Ltd.

No.471, Sec.2, Pa Teh Rd., Hu Kou 303, Hsin Chu Hsien, Taiwan

Tel : +886-3-5695920 Fax : +886-3-5695931

Simple Technology (CHANGSHU) INC.

No.2 DongNan Avenue,ChangShu,JiangSu Province , China

Tel :+86-0512-52302255 Fax :+86- 0512-52302277

Simple Technology (CHONGQING) INC

NO.2 Zongbao Avenue, Shapingba District,Chongqing,China

Tel :023-61718899 Fax : 023-61710488

Huapu Technology(Changshu) Inc.

No.2 DongNan Avenue,ChangShu,JiangSu Province , China

Tel :+86-0512-52302255 Fax :+86- 0512-52302277

## 2. Hazards Identification

The product is not classified for GHS. The batteries are defined as "articles" they are exempt from the requirements of the Hazard Communication Standard.

Primary routes of entry : Skin contact, Skin absorption; Eye contact, Inhalation and ingestion: No

Symptoms of exposure : Skin contact, No effect under routine handling and use.

Skin absorption : No effect under routine handling and use.

Eye contact : No effect under routine handling and use.

Inhalation : No effect under routine handling and use.

Reported as carcinogen : Not applicable

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) this product is not classified as hazardous °

## 3. Composition / Identification on Ingredients

Substance : Lithium Ion Battery

Composition :

CAS Number: Not specified (3-1 and 3-2)

3-1. Cases: Plastic Material

Not dangerous

3-2. Printed Circuit Board Assembly

Not dangerous



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3-3. Lithium Ion Cell :

Hazardous Ingredients	%	CAS Number
Cobalt oxide	< 30 %	1307-96-6
Manganese dioxide	< 30 %	1313-13-9
Nickel oxide	< 30 %	1313-99-1
Carbon	< 30 %	7440-44-0
Electrolyte	< 20 %	N/A
Polyvinylidene fluoride (PVdF)	< 10 %	24937-79-9
Aluminium foil	2 - 10 %	7429-90-5
Copper foil	2 - 10 %	7440-50-8
Aluminium and inert materials	5 - 10 %	N/A

**4. First Aid Measures**

- Inhalation : Make the victim blow his/her nose, gargle. Seek medical attention if necessary.
- Skin contact : Remove contaminated clothes and shoes immediately. Wash extraneous matter or contact region with soap and plenty of water immediately.
- Eye contact : Do not rub one's eyes. Immediately flush eyes with water continuously for at least 15 minutes. Seek medical attention immediately.
- Ingestion : Make the victim vomit. When it is impossible or the feeling is not well after vomiting, seek medical attention.

**5. Fire Fighting Measures**

- Extinguishing Media : Use suitable extinguishing media.
- Firefighting Equipment : Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

**6. Accidental Release Measures**

- On Land : Place material into suitable containers and call local fire/police department.
- In Water : If possible, Remove from water and call local fire/police department.

**7. Handling and Storage**

Handling :  
 Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided. However, accidental short-circuiting for a few seconds will not seriously affect the battery. Prolonged short circuits will cause the battery to rapidly lose energy, could generate enough heat to burn skin. Sources of short circuits include jumbled batteries in bulk containers, coins, metal jewelry, metal covered tables, or metal belts used for assembly of batteries in devices. To minimize risk of short-circuiting, the protective case supplied with the battery should be used to cover the terminals when transporting or storing the battery. Do not disassemble or deform the battery. Should an individual cell within a battery become ruptured, do not allow contact with water.

Storage :  
 The lithium ion battery should be between 25% and 75% of full charge when stored for a long period of time. Store in a cool, dry, well ventilated area. And temperature above 100 Celsius degree can result in loss of battery performance, leakage, or rust. Do not expose the battery to open flames..



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## 8. Exposure Controls / Personal Protection

Engineering Controls : Keep away from heat and open flame. Store in a cool dry place

Personal Protection :

Respirator : Not required during normal operations. SCBA required in the event of a fire.

Eye/Face Protection : Not required beyond safety practices of employer.

Gloves : Not required for handling of battery.

Foot Protection : Steel toed shoes recommended for large container handling.

## 9. Physical and Chemical Properties

State	Solid
Odor	N/A
PH	N/A
Vapor pressure	N/A
Vapor density	N/A
Boiling point	N/A
Solubility in water	Insoluble
Specific gravity	N/A
Density	N/A

## 10. Stability and Reactivity

Reactivity : None

Incompatibilities : None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Conditions to Avoid : Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

## 11. Toxicological Information

This product does not elicit toxicological properties during routine handling and use.

## 12. Ecological Information

Lithium ion battery pack can be disposable in accordance with appropriate federal, state and local regulations.

## 13. Disposal Consideration

Recommended methods for safe and environmentally preferred disposal:

Product(waste from residues)

Do not throw out a used battery cell. Recycle it through the recycling company.

Contaminated packaging

Neither a container nor packing is contaminated during normal use. When internal materials leaked from a battery cell contaminates, dispose as industrial wastes subject to special control.

## 14. Transport Information

Lithium ion batteries containing no more than 1.5g/cell and 8g/battery pack and also power is no more than 20Wh/cell and 100Wh/battery pack of lithium can be treated as "Non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and proevent the products from short-circuit.



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With regard to air transport, the following regulations are cited and considered:

- \* The International Civil Aviation Organization (ICAO) Technical Instructions (2017-2018 Edition)
- \* The International Air Transport Association (IATA) Dangerous Goods Regulations (59th Edition, 2018) Special Provisions A154, A164 & package instruction Section II of 965, 966 and 967 for lithium ion batteries, or package instruction Section IB of 965.
- \* The International Maritime Dangerous Goods (IMDG) Code (2016 Edition), Special Provision 188.
- \* The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA (Part 49 CFR Sections 100-185)
- \* The Office of Hazardous Materials Safety with the US Department of Transportation's (DOT) Research and Special Programs Administration (RSPA), and
- \* The UN Recommendations on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria

Our products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations 38.3 (T1 – T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria. That can be as “Non-hazardous Goods.”

Lithium ion batteries only transport by air in accordance with PI965 at a state of charge (SOC) not to exceed 30 percent of rated design capacity.

**Test results of the UN Recommendation on the Transport of Dangerous Goods**

Manual of Test and Criteria (38.3 Lithium battery)		Test Results	Remark
No	Test item		
T1	Altitude Simulation	Pass	
T2	Thermal Test	Pass	
T3	Vibration	Pass	
T4	Shock	Pass	
T5	External Short Circuit	Pass	
T6	Impact/Crush	Pass	
T7	Overcharge	Pass	
T8	Forced Discharge	Pass	

**15. Regulatory Information**

Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.5)

OSHA Hazard communication standard (29 CFR 1910.1200)

\_\_\_\_\_ Hazardous                        V   Non-hazardous

**16. Other Information**

The information contained herein is furnished without warranty of any kind, Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

**17. Appendix**

Further Information



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Model Name	SCQ PN	STC PN	HP PN	Description	HSTNN#
ET04049XL	996QA119H 996QA119HB	996TA119H 996TA119HB	915030-1C1	Coslight-3310mAh; 2S2P 7.7V-49.81Wh	HSTNN-IB7U
	996QA120H 996QA120HB	996TA120H 996TA120HB	915030-171	ATL -3310mAh; 2S2P 7.7V-49.81Wh	
SR04070XL	996QA121H 996QA121HB	996TA121H 996TA121HB	917678-171	ATL-4550mAh; 4S1P 15.4V-70.07Wh	HSTNN-IB7Z
	996QA122H 996QA122HB	996TA122H 996TA122HB	917678-1B1	Lishen-4550mAh; 4S1P 15.4V-70.07Wh	
TF03041XL	996Q2323H 996Q2323HB	996T2323H 996T2323HB	920046-121	LGC-3615mAh; 3S1P 11.55V-41.7Wh	HSTNN-IB7Y
AS03044XL	996QA115H 996QA115HB	996TA115H 996TA115HB	918340-1C1	Coslight-4050mAh; 3S1P 11.1V-44.95Wh	HSTNN-IB7W
	996QA116H 996QA116HB	996TA116H 996TA116HB	918340-171	ATL-4050mAh ; 3S1P 11.1V-44.95Wh	
BE06067XL	996QA117H 996QA117HB	996TA117H 996TA117HB	918045-1C1	Coslight-5800mAh; 3S2P 11.55V-67Wh	HSTNN-IB7V
	996QA118H 996QA118HB	996TA118H 996TA118HB	918045-171	ATL-5800mAh; 3S2P 11.55V-67Wh	
SS03050XL	996QA124H 996QA124HB		932823-171	ATL- 4330mAh;3S1P 11.55V-50Wh	HSTNN-IB8C
	996QA125H 996QA125HB		932823-1C1	COSLIGHT - 4330mAh;3S1P 11.55V-50Wh	
CH04048XL	996QA126H 996QA126HB		941190-1C1	COSLIGHT-6300mAh;2S2P 7.7V-48.5Wh	HSTNN-IB8E
CD03048XL	996QA123H 996QA123HB		931702-171	ATL-4212mAh; 3S1P 11.4V-48Wh	HSTNN-IB8B
ME04050XL	G96QA039H G96QA039HB		937519-171	ATL- 6500mAh; 2S2P 7.7V-50.04Wh	HSTNN-IB8D
	G96QA040H G96QA040HB		937519-1C1	Costlight- 6500mAh; 2S2P 7.7V-50.04Wh	
AO02030XL	G96QA031H G96QA031HB	G96TA031H	728250-1C1	Coslight - 4200mAh;2S1P-7.4V	HSTNN-IB5O
	G96QA032H G96QA032HB	G96TA032H	728250-121	LGC - 4200mAh;2S1P-7.4V	
CH04048XL	996QA126H 996QA126HB		941190-1C1	Costlight-6300mAh; 2S2P 7.7V-48.5Wh	HSTNN-IB8E
VX04090XL	996QA127H 996QA127HB		L06302-1C1	Coslight-5990mAh; 4S1P 15.4V-90Wh	HSTNN-IB8F
ZG04064XL	996QA129H 996QA129HB		L07352-1C1	Coslight-4240mAh; 4S1P 15.4V-64.Wh	HSTNN-IB8I
ZG06095XL	996QA130H 996QA130HB		L07351-1C1	Coslight-4240mAh; 3S2P 11.55V-95.9Wh	HSTNN-IB8H
AM06095XL	996QA128H 996QA128HB		L07350-1C1	Coslight-4240mAh; 3S2P 11.55V-95.9Wh	HSTNN-IB8G
KC04053XL	996QA131H 996QA131HB		L08544-1C1	Coslight-3540mAh; 4S1P 15.4V-53.2Wh	HSTNN-IB8K
GZ06054XL	996QA132H 996QA132HB		L08543-1C1	Coslight CA1675A8G*4; 1870mAh Coslight CA395495G*2;	HSTNN-IB8J



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				3310mAh 7.7V- 2S3P	
SR03052XL	996QA133H 996QA133HB		L08934-1B1	Lishen- 4550mAh;3S1P 11.55V-52.5Wh	HSTNN-IB8L
LK03052XL	996QA134H 996QA134HB		L09049-1B1	Lishen- 4550mAh; 3S1P 11.55V-52.5Wh	HSTNN-IB8M
LK03048XL	996Q2325H 996Q2325HB		L09911-141	SDI-4212mAh; 3S1P 11.4V-48.01Wh	HSTNN-IB8N
HT03041XL	996QA135H 996QA135HB		L11421-1C1	Coslight- 3600mAh; 3S1P-11.4V	HSTNN-IB8O
Megacell2-96W	A96Q2011HA A96Q2011HB		876850-001	SDI-1500mAh;2S1P, 7.2V 10Wh	HSTNS-BB05
Megacell2-96W	A96Q2012HA A96Q2012HB		876851-001	SDI-1500mAh;2S1P, 7.2V 10Wh	HSTNS-BB05
MM02037XL	996QA139H 996QA139HB		L27868-1C1	Coslight/CA3674C0HV-2/49 60mAh[min.4810mAh]2S1P	HSTNN-IB8Q
SP04061XL	996QA140H 996QA140HB		L28538-1C1	Coslight/463485/4S1P/3990 mAh	HSTNN-IB8R
LG04068XL	996QA142H/HB		L32535-1C1	Coslight/4416///mAh/4S/1P	HSTNN-IB8S
	996QA143H/HB		L32535-141	SDI/4416///mAh/4S/1P	
OR04053XL	996QA144H/HB		L34209-1C1	COSLIGHT CA486566G 3540mAh[Min.3454mAh]	HSTNN-IB8U
	996QA145H/HB		L34209-1B1	Lishen SP486566SG 3540mAh[Min.3455mAh]	
AJ02021XL		G96TA001H	687518-1C1	Coslight 2960mAh, 2S1P 7.4V-21Wh	HSTNN-IB3Y
		G96TA002H	687518-1B1	Lishen 2920mAh, 2S1P 7.4V-21Wh	
AR08075XL	996Q2231H		707614-141	SDI 2800mAh,4S2P 14.4V-75Wh	HSTNN-IB4H
AR08083	996Q2232H		707615-141	SDI 2800mAh,4S2P 14.8V-83Wh	HSTNN-IB4I
AS03044XL	996QA115H		918340-1C1	Coslight 4120mAh, 3S1P 11.1V-44.95Wh	HSTNN-IB7W
	996QA116H		918340-171	ATL 4080mAh, 3S1P 11.1V-44.95Wh	
BG06045XL	996QA085H		804175-1C1	Coslight 2010mAh, 3S2P 11.4V-45Wh	HSTNN-IB6Z
	996QA086H		804175-1B1	Lishen 2010mAh, 3S2P 11.4V-45Wh	
BL06042XL	996QA054H		722236-171	ATL 1945mAh, 3S2P 11.1V-42Wh	HSTNN-IB5D
	996QA055H		722236-1C1	Coslight 1930mAh, 3S2P 11.1V-42Wh	
BO03032XL	996QA067H/HB		751895-1C1	Coslight 2960mAh,3S1P 11.1V-32Wh	HSTNN-IB6C
	996QA066H/HB		751895-1B1	Lishen 2960mAh,3S1P 11.1V-32Wh	
BO03037XL	996QA077H		773836-1B1	Lishen 3280mAh,3S1P 11.4V-37Wh	HSTNN-IB6P



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	996QA078H		773836-1C1	Coslight 3280mAh,3S1P 11.4V-37Wh	
BT04052XL	996QA029H		687517-1C1	Coslight 3550mAh, 4S1P 14.8V-52Wh	HSTNN-IB3Z
	996QA031H		687517-171	ATL 3550mAh, 4S1P 14.8V-52Wh	
BU03037XL	996QA090H		816498-1C1	Coslight 3280mAh, 3S1P 11.4V-37.3Wh	HSTNN-IB7F
	996QA092H		816498-1B1	Lishen 3280mAh, 3S1P 11.4V-37.3Wh	
CA03033	996Q2253H		718675-121	LGC 3000mAh,3S1P 11.1V-33Wh	HSTNN-IB4W
CA06055	996Q2254H		718676-141	SDI 2600mAh,3S2P 10.8V-55Wh	HSTNN-IB4X
CA06055XL	996Q2249H		718677-141	SDI 2800mAh,3S2P 10.8V-55Wh	HSTNN-IB4Y
CS03046XL	996QA083H		800231-1C1	Coslight 4075mAh, 3S1P 11.4V-46.5Wh	HSTNN-IB6Y
	996QA084H		800231-141	SDI 4075mAh, 3S1P 11.4V-46.5Wh	
DB03036	996Q2288H		796930-121	LGC 3200mAh,3S1P 11.25V-36Wh	HSTNN-IB6V
	996Q2286H		796930-141	SDI 3200mAh,3S1P 11.25V-36Wh	
DB06064XL	996Q2287H		796931-121	LGC 3200mAh,3S2P 11.1V-64Wh	HSTNN-IB6W
	996Q2285H		796931-141	SDI 3200mAh,3S2P 11.1V-64Wh	
DR02043XL	996QA105HA		859027-1C1	Coslight 5680mAh, 2S1P 7.7V-43.7Wh	HSTNN-IB7M
	996QA106HA		859027-121	LGC 5680mAh, 2S1P 7.7V-43.7Wh	
EO04038XL	996QA094H		827927-1C1	Coslight 3110mAh, 2S2P 7.7V-38Wh	HSTNN-IB7I
	996QA095H		827927-1B1	Lishen 3110mAh, 2S2P 7.7V-38Wh	
ET04049XL	996QA119H		915030-1C1	Coslight 3310mAh, 2S2P 7.7V-49.81Wh	HSTNN-IB7U
	996QA120H		915030-171	ATL 3310mAh, 2S2P 7.7V-49.81Wh	
FP06047	996Q2229H		707616-141	SDI 2200mAh,3S2P 10.8V-47Wh	HSTNN-IB4J
	996Q2234H		707616-151	Sanyo 2200mAh,3S2P 10.8V-47Wh	
	996Q2256H		707616-142	SDI 2200mAh,3S2P 10.8V-47Wh	
	996Q2275H		707616-152	Sanyo 2200mAh,3S2P 10.8V-47Wh	
FP06051XL	996Q2302H		757435-141	SDI 2600mAh,3S2P 10.8V-51Wh	HSTNN-IB6M
HS03031	996Q2296H		807611-131	SANYO 2800mAh,3S1P 11.1V-31Wh	HSTNN-IB7A



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	996Q2298H		807611-141	SDI 2800mAh,3S1P 11.1V-31Wh	
	996Q2308H		807611-121	LGC 2800mAh,3S1P 11.1V-31Wh	
HS04041	996Q2295H		807612-131	SANYO 2800mAh,4S1P 14.8V-41Wh	HSTNN-IB7B
	996Q2297H		807612-141	SDI 2800mAh,4S1P 14.8V-41Wh	
	996Q2309H		807612-121	LGC 2800mAh,4S1P 14.6V-41.6Wh	
JC04041	996Q2319H		919682-121	LGC 2800mAh,4S1P 14.6V-41.6Wh	HSTNN-IB7X
	996Q2321H		919682-131	SDI 2800mAh,4S1P 14.8V-41.44Wh	
	996Q2322H		919682-141	Sanyo 2800mAh,4S1P 14.8V-41.44Wh	
KP06060XL	996Q2282HB		794309-121	LGC 3000mAh,3S2P 11.1V-60Wh	HSTNN-IB6T
KP06066	996Q2311H		759916-122	LGC 3000mAh,3S2P 10.95V-66Wh	HSTNN-IB6N
KT02025XL	996QA070H		753330-1C1	Coslight 3380mAh, 2S1P 7.4V-25Wh	HSTNN-IB6F
	996QA072H		753330-1B1	Lishen 3380mAh, 2S1P 7.4V-25Wh	
LA03031DF	996Q2279H		775625-121	LGC 2800mAh,3S1P 11.1V-31Wh	HSTNN-IB6R
	996Q2281H		775625-141	SDI 2800mAh,3S1P 11.1V-31Wh	
LA06047DF	996Q2283H		796047-151	SANYO 2200mAh,3S2P 10.8V-47Wh	HSTNN-IB6U
	996Q2284H		796047-141	SDI 2200mAh,3S2P 10.8V-47Wh	
ML03042XL		996TA089H	813999-1C1	Coslight 3690mAh,3S1P 11.4V-42Wh	HSTNN-IB7D
OD06044XL	G96QA005H		698750-1C1	Coslight 2000mAh,3S2P 11.1V-44Wh	HSTNN-IB4F
	G96QA006H		698750-171	ATL 1910mAh,3S2P 11.1V-44Wh	
OM03057XL	996QA108H		863167-171	ATL 4935mAh, 3S1P 11.55V-57Wh	HSTNN-IB7O
	996QA109H		863167-1B1	Lishen 4935mAh, 3S1P 11.55V-57Wh	
PR06047	996Q2198HB		633733-152	SANYO 2200mAh,3S2P 10.8V-47Wh	HSTNN-IB2R
RA04040XL	996Q2324H/HB		745416-122	LGC 3000mAh,4S1P 14.6V-40Wh	HSTNN-IB5X
RA04044	996Q2307H		707618-122	LGC 3015mAh,4S1P 14.6V-44Wh	HSTNN-IB4L
SB03026XL	996QA053H		716725-171	ATL2500mAh,3S1P 11.1V-26Wh	HSTNN-IB4S
	996QA052H		716725-1C1	Coslight 2500mAh,3S1P 11.1V-26Wh	





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 Simplo Technology(Chongqing)Inc.  
 Huapu Technology(Changshu)Inc.

SB03046XL	996QA051H		716726-171	ATL 4150mAh,3S1P 11.1V-46Wh	HSTNN-IB4T
	996QA050H		716726-1C1	Coslight 4150mAh,3S1P 11.1V-46Wh	
SD03045XL	996QA100H		847462-1C1	Coslight 3950mAh,3S1P 11.4V-45Wh	HSTNN-IB7K
SO04038XL	996QA098H		843534-121	LGC 4985mAh,2S2P 7.68V-38.2Wh	HSTNN-IB7J
	996QA099H		843534-1C1	Coslight 4985mAh,2S2P 7.68V-38.2Wh	
SO04042XL	996QA112H		908309-1C1	Coslight 5460mAh,2S2P 7.7V-42Wh	HSTNN-IB7R
SW02032XL	G96QA037H		859470-1B1	Lishen 4230mAh,2S1P 7.7V-32Wh	HSTNN-IB7N
	G96QA038H		859470-121	LGC 4230mAh,2S1P 7.7V-32Wh	
TA03051XL	996QA101HA		854047-1C1	Coslight 4560mAh,3S1P 11.55V-51Wh	HSTNN-IB7L
	996QA102HA		854047-141	SDI 4560mAh,3S1P 11.55V-51Wh	
	996QA103HA		854047-171	ATL 4420mAh,3S1P 11.55V-51Wh	
VR03045XL	996QA091H		816497-1C1	Coslight 3950mAh,3S1P 11.4V-45Wh	HSTNN-IB7E
BE06067XL	996QA117H		918045-1C1	Coslight 2905mAh, 3S2P 11.55V-67Wh	HSTNN-IB7V
	996QA118H		918045-171	ATL 2905mAh, 3S2P 11.55V-67Wh	
TF03041XL	996Q2323H		920046-121	LGC 3630mAh,3S1P 11.55V-41.9Wh	HSTNN-IB7Y
SR04070XL	996QA121H		917678-171	ATL 4550mAh, 4S1P 15.4V-70.07Wh	HSTNN-IB7Z
	996QA122H		917678-1B1	Lishen 4550mAh, 4S1P 15.4V-70.07Wh	
SS03050XL	96QA124H/HB		932823-171	ATL 4330mAh, 3S1P 11.55V-50Wh	HSTNN-IB8C
	96QA125H/HB		932823-1C1	Coslight 4330mAh, 3S1P 11.55V-50Wh	
CH04048XL	996QA126H/HB		941190-1C1	Coslight 3245mAh,2S2P 7.7V-48.5Wh	HSTNN-IB8E
CD03048XL	996QA123H/HB		931702-171	ATL 4440mAh, 3S1P 11.4V-48Wh	HSTNN-IB8B
ME04050XL	G96QA039H/HB		937519-171	ATL 3250mAh, 2S2P 7.7V-50.04Wh	HSTNN-IB8D
	G96QA040H/HB		937519-1C1	Coslight 3250mAh, 2S2P 7.7V-50.04Wh	
AO02030XL	G96QA031H/HB		728250-1C1	Coslight 4000mAh, 2S1P 7.4V-31Wh	HSTNN-IB5O
PR06047	996Q2259HB		633733-142	SDI 2200mAh 3S2P 10.8V-47Wh	HSTNN-IB2R
PO02037XL	996QA093HB		823908-1C1	Coslight 4960mAh, 2S1P 7.6V-37Wh	HSTNN-IB7G



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 Huapu Technology(Changshu)Inc.

RU03048XL	996QA137H		L12717-1C1	Coslight 4550mAh, 3S1P 11.4V-48Wh	HSTNN-IB8P
	996QA138H		L12717-171	ATL 4550mAh, 3S1P 11.4V-48Wh	
MM02037XL	996QA139H/HB		L27868-1C1	Coslight 4960mAh, 2S1P 7.6V-37.6Wh	HSTNN-IB8Q
SP04061XL	996QA140H/HB		L28538-1C1	Coslight 3990mAh, 4S1P 15.4V-61.4Wh	HSTNN-IB8R
LG04068XL	996QA142H		L32535-1C1	Coslight 4416mAh, 4S1P 15.4V-68Wh	HSTNN-IB8S
	996QA143H		L32535-141	SDI 4416mAh, 4S1P 15.4V-68Wh	
OR04053XL	996QA144H				HSTNN-IB8U
	996QA145H				