		<u>(</u>	
Prepared For:	ShenZhen Utility Power Sou	rce Co., Ltd.	
Address:	1ST-3RD FLOOR, AREA A, B, BLOCK 2, HUIYE SCIEN GUANGUANG ROAD, TANG AGENCY, GUANGMING NE GUANGDONG PROVINCE,	CE AND TECHN GJIA COMMUNIT W DISTRICT, SH	OLOGY PARK, `Y, GONGMING
Product Name:	Polymer Li-ion Battery Pack		
Model:	EU3673106P		
Nominal Voltage:	3.7V		
Rated Capacity:	6200mAh, 22.94Wh	<u>c</u>	
Weight:	184.2g		
Dimension:	106.0mm×73.0mm×7.2mm (L×W×T)	
Prepared By:	Shenzhen TCT Testing Tech 1B/F., Building 1, Yibaolai I Baoan District, Shenzhen, G	ndustrial Park, C	tiaotou, Fuyong a.
	TCT181229M077		
Report No.:			

Section 1- Chemic	al Product & Company lo	dentification		
Product Name:	Polymer Li-ion Battery Pac	k		
Manufacture:	ShenZhen Utility Power So	ource Co., Ltd.		
Address:	1ST-3RD FLOOR, AREA A BLOCK 2, HUIYE SCIENC GUANGUANG ROAD, TAN AGENCY, GUANGMING N GUANGDONG PROVINCE	A, BLOCK 3 & 3F E AND TECHNO NGJIA COMMUN IEW DISTRICT, E, CHINA	RD FLOOR, AREA I DLOGY PARK, IITY, GONGMING SHENZHEN CITY,	З,
Contact Person:	Miss Li			
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Emergency Tel:	+86-755-29891961			
E-mail:	liqingxia@szutl.com.cn			
Item Code:	TCT181229M077	(Ś	
Section 2- Hazard Classification of Danger	s Identification See section 14.		(J)	
Primary Route(s) of Exposure	Eye, skin contact, ingestion.			
Health Hazard	The batteries are not hazardous w manufacturer under normal condit fire, heat, leakage of internal comp including but not limited to the follo circuited, put into fire, whacked wi crushed, and broken.	ions. In case of abus ponents, which could pwing cases: charge	se, there's Hazard of ru I cause casualty loss. A ed for long time, short	bus

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Chemical Name	Concentration or concentration ration	L CAS Number
ithium Cobalt Oxide (CoLiO ₂)	15-40	12190-79-3
Graphite	10-30	7782-42-5
Phosphate(1-), hexafluoro-, lithium	10-30	21324-40-3
opper	7-13	7440-50-8
luminum foil	5-10	7429-90-5
ckel	1-5	7440-02-0

Labeling according to EC directives.

No symbol and Hazard phrase are required.

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Note: CAS number is Chemical Abstract Service Registry Number.

N/A=Not apply.

Section 4- First Aid Measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

Section 5- Fire Fighting Measures Characteristics of Dusts at sufficient concentrations can form explosive mixtures with air. Combustion Hazard generates toxic fumes. Hazardous Combustion Carbon dioxide. **Products** Fire-extinguishing Methods and For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. Extinguishing Media Report No.: TCT181229M077 Page 3 of 8

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

	Material Safety Data Sheet
Attention in Fire-extinguishingWear self-contained breath (approved or equivalent) a	hing apparatus in pressure-demand, MSHA/NIOSH and full protective gear.
Section 6- Accidental Release Measu	ures
Personal Precautions, protective equipment, and emergency procedures	In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Prevent product from contaminating soil and from entering sewers or waterways.
Methods and materials for Containment	Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.
Methods and materials for cleaning up	Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.
Section 7- Handling and Storage	
Section 7- Handling and Storage	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect
Handling	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out
Handling Storage	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children. In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
Handling Storage Other Precautions	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children. In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

TCT		Material Safety Data Sheet
Personal Protect	vive Equipment	 Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield. Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing. Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Section 9- Phy	vsical and Chemical P	Properties
	Appearance: Prismatic	
Physical State	Color: Black	
	Odour: If leaking, smells o	of medical ether.
Change in condi	tion	
оН	Not applicable as supplied.	
Flash Point	Not applicable unless individual components exposed.	
lammability	Not applicable unless individual components exposed.	
Relative density:	Not applicable unless individual components exposed.	
Solubility (water)	Not applicable unless individual components exposed.	
Solubility (other)	Not applicable unless indi	vidual components exposed.
Section 10 – S	Stability and Reactivity	,
Chemical Stabilit	ty	Stable under recommended storage conditions.
Possibility of Haz	zardous Reactions	None under normal processing.
Conditions to Av	oid	Exposure to air or moisture over prolonged periods.
Incompatible ma	terials	Acids, Oxidizing agents, Bases.
Hazardous Deco	mposition Products	Carbon oxides.
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Material Safety Data Sheet

Irritation		In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.
Sensitization		Not Available.
Reproductive Toxicity		Not Available.
Toxicologically Synergistic Materials		Not Available.
Section 12-Ecological Inf	ormation	
General note:		Do not allow undiluted product or large quantities of to reach ground water, water course or sewage system.
Anticipated behavior of a che in environment/possible envir impact/ ecotoxicity		Not Available.
Section 13 – Disposal Co	onsiderations	
T		Recycle or dispose of in accordance with
Waste Treatment		Recycle or dispose of in accordance with government, state & local regulations.
Waste Treatment Attention for Waste Treatmen	nt	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced,
	nt	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Attention for Waste Treatmen		government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
		government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Attention for Waste Treatmen Section 14 – Transport In	formation 3480 & 3481 Lithium ion batte Lithium ion batte polymer batteries	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling. ries (limited to a maximum of 30% SoC) or; ries packed with equipment (including lithium ion s) or; ries contained in equipments (including lithium ion
Attention for Waste Treatmen Section 14 – Transport In UN number	formation 3480 & 3481 Lithium ion batte Lithium ion batte polymer batteries Lithium ion batte	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling. ries (limited to a maximum of 30% SoC) or; ries packed with equipment (including lithium ion s) or; ries contained in equipments (including lithium ion

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

ICAO / IATA:	Can be shipped by air in accordance with International Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA), DGR Packing Instructions (PI) 965 Section II/Section IB, PI 966 Section II and PI 967 Section II appropriate of IATA DGR 60th (2019 Edition) for transportation.
IMDG CODE:	The batteries are not restricted to IMDG Code 2018 Edition (Amdt 39-18) according to special provision 188.
DOT:	Other requirements for the US Department of Transportation (DOT) Subchapter C, Hazardous Materials Regulations if shipped in compliance with 49 CFR 173.185.
ADR/ ADN:	The batteries are not subject to the provisions of United Nations Economic Commission for Europe (UNECE) ADR/ADN if they meet the requirements of special provision 188 of Chapter 3.3. Applicable as from 1 January 2019.

In addition, to be permitted in transport each lithium cell and battery types must have passed the applicable tests set out in Subsection 38.3 of the UN Manual of Tests and Criteria.

Section 15 – Regulatory Information

Dangerous Goods Regulations

Recommendations on the Transport of Dangerous Goods-Model Regulations (20th revised edition)

Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG Code 2018 Edition Amdt 39-18)

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods (GB 6944-2012)

2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws

