



Safety Data Sheet

Issue Date: 19th October 2022

Product Name: TS6015 PowerStation1500

SECTION 1: IDENTIFICATION

SAMPLE NAME:	Portable Power Station
SAMPLE MODEL NUMBER:	TS6015
POWER RATINGS:	14.6V, 102.5Ah 1517 Wh
MODEL APPEARANCE:	Black near cuboid
MANUFACTURER NAME:	TrickleStar Inc. 4859 Kendrick St SE, Grand Rapids, MI 49512, USA
TELEPHONE:	1-888-700-1098
E-MAIL:	customer.service@tricklestar.com

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION OF DANGER:	(See section 14)
INVASION ROUTE:	Inhalation, skin contact, eye contact and ingestion.
FIRE AND EXPLOSION RISK:	May cause fire or explode under high temperature or short circuit conditions.
MORDANT RISK:	No information available.
HEALTH HAZARD:	Batteries are not hazardous when used according to the instruction of manufacturer under normal conditions. In the case of abuse, rupture, fire, heat, swelling, leakage risk, and may result in unexpected losses. Abuse includes but not limited to the following cases: charged for long time, short-circuited, put into fire, hit with hard object, punctured with acute object, crushed, and broken.
ENVIRONMENTAL HAZARDS:	No information available.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION	CHEMICAL FORMULA	CAS NO.	WEIGHT (%)
Lithium Cobalt Oxide	LiCoO ₂	12190-79-3	25 – 50
Aluminum	Al	7429-90-5	2 – 10
PVDF	(C ₂ H ₂ F ₂) _n	24937-79-9	0 – 5
Graphite	C	7782-42-5	20 – 30
Copper	Cu	7440-50-8	5 – 10
Polyethylene	(C ₂ H ₄) _n	9002-88-4	5 – 10
Polypropylene	(C ₃ H ₆) _n	9003-07-0	5 – 10
LiPF ₆	LiPF ₆	21324-40-3	10 – 20
Nickel	Ni	7440-02-0	0.5 – 5

Note: CAS: Chemical Abstracts Service (division of the American Chemical Society).

SECTION 4: FIRST-AID MEASURES

GENERAL INFORMATION:	No special measures required.
AFTER INHALATION:	Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.
AFTER SKIN CONTACT:	Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.
AFTER EYE CONTACT:	Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists.
AFTER SWALLOWING:	Do not induce vomiting. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING AGENT:	Use extinguishing agent suitable for local conditions and the surrounding environment. These include dry powder, CO ₂ , cold water, sand, and earth. Do not use warm or hot water. Do not use halon type extinguishing material.
SPECIAL HAZARDS:	Special hazards arising from the substance or mixture: battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium-ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature more than 150°C (302°F), when damaged or abused (e.g.: mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in close proximity.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, carbon dioxide, lithium oxide fumes.
PROTECTIVE MEASURES:	Wear self-contained respirator. Wear fully protective impervious suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONNEL PROTECTIVE MEASURES, PROTECTIVE EQUIPMENT AND EMERGENCY DISPOSAL PROCEDURES:	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS:	Do not allow material to be released to the environment without proper governmental permits.
STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED, AND WASTE DISPOSAL METHOD:	Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, place the spilled material into a suitable disposable container. Keep spilled material out of sewers, ditches and bodies of water. All waste disposal procedures must refer to the United Nations, the national and local regulations.
SECONDARY DISASTER PREVENTION MEASURES:	See Section 7 for information on safe handling. See Section 8 for information on personal protective equipment. See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Do not handle the batteries in a manner that allows the terminals to short-circuit.
INFORMATION ABOUT FIRE AND EXPLOSION PROTECTION:	Batteries may explode or cause burns if disassembled, crushed or exposed to fire or high temperatures. Do not short-circuit or install with incorrect polarity.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Requirements to be met by storerooms and receptacles. Store in a cool, dry, well-ventilated place. Keep away from heat and avoid long exposures to sunlight.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION:	In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory protection is not necessary under conditions of normal use.
VENTILATION:	Not necessary under conditions of normal use.
PROTECTIVE GLOVES:	Not necessary under conditions of normal use.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Not necessary under conditions of normal use.
PERSONAL PROTECTION IS RECOMMENDED FOR DAMAGED BATTERY:	Respiratory protection, protective gloves, protective clothing and safety glass with side shields.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black
FORM:	Near cuboid
ODOR:	Odorless
VOLTAGE:	14.6 V
CELL VOLTAGE:	3.6 V
ELECTRIC CAPACITY:	102.5 Ah
WATT-HOUR:	1517 Wh

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable in normal circumstances.
INCOMPATIBILITIES:	Oxidant, acid, alkali.
CONDITIONS TO AVOID:	Heat above 70°C or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short-circuit. Expose to humid conditions over a long period.
POSSIBILITY OF HAZARDOUS REACTIONS:	Data not available.
HAZARDOUS COMBUSTIBLE PRODUCTS:	Carbon monoxide, carbon dioxide, lithium oxide fumes.

SECTION 11: TOXICOLOGY INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY:	
AQUATIC TOXICITY:	No further relevant information available.
PERSISTENCE AND DEGRADABILITY:	No further relevant information available.
BEHAVIOR IN ENVIRONMENTAL SYSTEMS:	No further relevant information available.
BIOACCUMULATIVE POTENTIAL:	No further relevant information available.
MOBILITY IN SOIL:	No further relevant information available.
ECOLOGICAL EFFECTS:	
GENERAL NOTES:	Do not allow material to be released to the environment without proper governmental permits.
OTHER ADVERSE EFFECTS:	No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS AND RECOMMENDATIONS:	Consult state, local or national regulations to ensure proper disposal.
ATTENTION FOR WASTE TREATMENT:	Deserted batteries could not be treated as ordinary trash. These items could not be thrown into fires or placed in high temperatures. These items also could not be dissected, pierced, crushed or treated similarly. The best way to handle these items would be to recycle them.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER:	UN3480
SHIPPING NAME:	Lithium-ion batteries
LABELS FOR PACKAGE:	Class 9
MARINE POLLUTANT:	No
TRANSPORT INFORMATION:	<p>The dangerous good regulations require that each lithium battery design be subjected to tests contained in Section 38.3 of the UN Manual of Tests and Criteria prior to being offered for transport.</p> <p>Report No.: ORTSZ210520010166</p> <p>The goods are complied with the requirements of Packing Instructions PI965 section IB of the 63rd DGT Manual of IATA (2021 ed.)</p> <p>The goods are complied with the requirements of Special Provision 188 of IMDG CODE (Amend. 40-20)</p>
TRANSPORT FASHION:	By air, sea, railway or road.

More information concerning shipping, testing, marking and packaging can be obtained from the label master at <https://www.labelmaster.com>

Separate Lithium-ion batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport. Load in a cargo without falling, dropping, and breakage. Prevent collapse of cargo piles and exposure to rain.

SECTION 15: REGULATORY INFORMATION

Recommendations on the Transport of Dangerous Goods – 20th Model Regulations

IATA Dangerous Goods Regulations (63rd Ed.)

International Maritime Dangerous Goods Code (Amend. 40-20)

European Agreement Concerning the International Carriage of Dangerous Goods by Road

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and Code of Dangerous Goods

Occupational Safety and Health Act (OSHA)

Toxic Substance Control Act (TSCA)

Consumer Product Safety Act (CPSA)


Federal Environment Pollution Control Act (FEPCA)

The Oil Pollution Act (OPA)






SECTION 16: OTHER INFORMATION

PHOTOS:



TrickleStar 

Portable Power Station	Output:
Model No.: TS6015	AC x 4: 120VAC, 60Hz, 1000W Total
Battery Capacity:	USB Type A x 4: 5VDC/3A/15W Max
14.8VDC 102.5Ah 1517Wh	USB Type C x 1: 5-20 VDC up to 3 A (60 W Max), regulated
	Cigarette Lighter x 1: 12VDC/10A
Input:	Operation Temp: 3°F-104°F (0 °C-40 °C)
16-60VDC, 10A, 500W	Operating Humidity: 10%-90% non-condensing

MADE IN CHINA
P/N: 17.0301.0941-00A0

Declaration to reader:

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular purpose.