


**SECTION 1: IDENTIFICATION**

**1.1 Product identifier:**

<b>Product name:</b>	Schneider OffGrid
<b>Other names:</b>	Portable Power Station with inbuilt Lithium ion batteries.
<b>Model Numbers:</b>	PPS500-AZ, PPS500-UK, PPS500-GR.
<b>Product type:</b>	Battery pack is a manufactured article consisting of a plastic and metal sealed case containing electronics and cylindrical lithium-ion battery/cells. Solid
<b>Picture:</b> PPS500-AZ PPS500-UK PPS500-GR	 <p>The images show three views of the Schneider OffGrid PPS500 portable power station. The top-left image is labeled 'Model: PPS500-GR* PPS500-KR*' and shows a black unit with a green top handle. The top-right image is labeled 'Model: PPS500-AZ*' and shows a similar unit with a different front panel configuration. The bottom image is labeled 'Model: PPS500-UK*' and shows another variation. All units feature a digital display, various ports, and a large ventilation grille on the side.</p>

**1.2 Relevant identified uses of the substance or mixture and uses advised against.**

**Product use:** Application of Portable Power Station

**Uses advised against:** No information available.

### 1.3 Details of the supplier of the safety data sheet

<b>Supplier/Manufacturer:</b>	Schneider Electric IT USA, Schneider Electric IT Corp., (formerly APC by Schneider Electric, APC Sales and Service Corp.)
<b>Address:</b>	SEIT US - 70 Mechanic Street, Foxboro, MA 02035, United States
<b>Telephone:</b>	+1 800-788-2208 or +1 401-789-5735
<b>E-mail:</b>	<a href="http://nam-en.apc.com/app/ask">http://nam-en.apc.com/app/ask</a>
<b>Site web:</b>	www.apc.com

### 1.4 Emergency telephone number (with hours of operation)

For all Service, Technical Support and Emergency Inquires.  
+1-813-248-0585 CHEMTEL MIS0002494

## SECTION 2: HAZARDS IDENTIFICATION

This battery pack is an article pursuant to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2020/878 is not subject to REACH regulation. The information contained in this Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### 2.1 Classification of the substance or mixture

Not classified.

### 2.2 Label elements:

Hazard Pictogram: None

Signal word: None

Hazard statements: No known significant effects or critical hazards.

### Precautionary statements

<b>Prevention:</b>	Not applicable
<b>Response</b>	Not applicable
<b>Storage</b>	Not applicable
<b>Disposal</b>	Not applicable

### 2.3 Other Hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No.1907/2006, Annex XIII**

Not applicable

**Other hazards which do not result in classification.**

Physical hazards not otherwise classified (PHNOC): See Section 10 Health hazards not otherwise classified (HHNOC):  
See Section 11 Environmental hazards: See Section 12

Endocrine disrupting properties: Not applicable.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance/Mixture: Mixture

#### CAS number/other identifiers

Ingredient	Identifier (CAS No.)	Concentration (%)
Aluminum foil	7429-90-5	2-10
Cobalt Lithium Manganese Oxide	182442-95-1	0-80
Styrene-Butadiene-Rubber	9003-55-8	<1
Polyvinylidene Fluoride (PVDF)	24937-79-9	<5
Copper foil	7440-50-8	2-10
Carbon (proprietary)	7440-44-0	10-30
Electrolyte (proprietary)	21324-40-3	10-20
Nickel	7440-02-0	<1
Steel	65997-19-5	Remainder

## SECTION 4: FIRST AID MEASURES

### General information

Once battery shell rupture, content contact with the human body will produce harm, once contact, should take the following emergency measures.

#### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.
<b>Inhalation</b>	Remove from exposure and move to fresh air immediately. Use oxygen if available.
<b>Skin contact</b>	Remove contaminated clothes and shoes. Immediately wash with water and soap and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

<b>Ingestion</b>	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.
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#### 4.2 Most important symptoms/effects, acute and delayed Potential acute health effects.

<b>Eye contact</b>	No data available
<b>Inhalation</b>	No data available
<b>Skin contact</b>	No data available
<b>Ingestion</b>	No data available

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	None
<b>Specific treatments</b>	No specific treatment
<b>Protection of first aiders</b>	No action shall be taken involving any personal risk or without suitable training

See toxicological information (Section 11)

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Small Fire: Dry chemical, Water, CO2, water spray or regular foam. Large Fire: Water spray, fog or regular foam.
<b>Unsuitable extinguishing media</b>	Not applicable

### 5.2 Specific hazards arising from the chemical

<b>Hazards from the substance or mixture</b>	Battery may burst and release hazardous decomposition products when exposed to a fire situation.
<b>Hazards thermal decomposition products</b>	Carbon monoxide, carbon dioxide, lithium oxide fumes.

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	Lithium-ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature.
<b>Special protective equipment for fire-fighters</b>	Self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind, uphill and/or upstream. Ventilate closed spaces before entering. Large Spill: Consider initial downwind evacuation for at least 100 meters (330 feet).
<b>For emergency responders</b>	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Absorb with earth, sand or other non-combustible material. Leaking batteries and contaminated absorbent material should be placed in metal containers.

### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water source. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water

### 6.3 Methods and materials for containment and cleaning up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** If battery is not damaged, cleanup spills mechanically and put into approved container for disposal. If battery is damaged and/or leaking: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## SECTION 7: HANDLING AND STORAGE

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SCHNEIDER OFFGRID – PPS500(EMEA)

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Revision 1.0

### 7.1 Precautions for safe handling

<b>Protective measures</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on safe handling</b>	Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble. Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the longtime of sunlight.

### 7.3 Specific end use(s)

Not available

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Exposure is not expected for product under normal conditions of use.

### 8.2 Exposure controls

**Engineering Measures/Controls:** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

### 8.4 Individual protection measures

<b>Hygiene measures</b>	Do not eat, drink, or smoke in work area. Maintain good housekeeping.
<b>Eye/face protection</b>	Wear safety goggles or eye protection combined with respiratory protection.
<b>Hand protection</b>	Wear appropriate protective gloves to reduce skin contact.
<b>Body protection</b>	Working environment required, wear suitable protective clothing to contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.
<b>Other skin protection</b>	No specific precautions necessary.
<b>Respiratory protection</b>	Wear suitable protective mask. For a large number of battery leakages, wear chemical protective clothing, including self-contained breathing apparatus.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Appearance

<b>Physical state</b>	Solid. Sealed Unit
<b>Color / Appearance</b>	Black
<b>Odor</b>	Not applicable.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Boiling point</b>	Not applicable.
<b>Flash point</b>	Not applicable unless individual components exposed
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable unless individual components exposed
<b>Lower and upper explosive (flammable) limits</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	Not applicable unless individual components exposed
<b>Solubility in water</b>	Insoluble.
<b>Partition coefficient: n-octanol/water</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Good stability at standard temperature and normal use. This product has no significant reactivity hazard.
<b>10.2 Chemical stability</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known. Hazardous polymerization will not occur

<b>10.4 Conditions to avoid</b>	Keep away from open flames, hot surfaces and sources of ignition. Do not puncture, crush or incinerate. Avoid exposing the cell to fire or high temperatures environment. Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse.
<b>10.5 Incompatible materials</b>	Oxidizing agents, acid base.
<b>10.6 Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, lithium oxide fumes.
<b>Additional information</b>	No decomposition if stored and applied as directed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	There is no data available.
<b>Irritation/Corrosion</b>	Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.
<b>Sensitization</b>	There is no data available.
<b>Mutagenicity</b>	There is no data available.
<b>Carcinogenicity</b>	There is no data available.
<b>Reproductive toxicity</b>	There is no data available.
<b>Teratogenicity</b>	There is no data available.
<b>Specific target organ toxicity (single exposure)</b>	There is no data available.
<b>Specific target organ toxicity (repeated exposure)</b>	There is no data available.
<b>Aspiration hazard</b>	There is no data available.

Information on the likely routes of exposure: Dermal contact, Eye contact, Inhalation, Ingestion.

### Potential acute health effects

<b>Eye contact</b>	No known significant effects or critical hazards.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics.

<b>Eye contact</b>	No known significant effects or critical hazards.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	No known significant effects or critical hazards.

<b>Ingestion</b>	No known significant effects or critical hazards.
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### Delayed and immediate effects and also chronic effects from short and long term exposure short term exposure

<b>Potential immediate effects</b>	No known significant effects or critical hazards.
<b>Potential delayed effects</b>	No known significant effects or critical hazards.

### Long term exposure

<b>Potential immediate effects</b>	No known significant effects or critical hazards.
<b>Potential delayed effects</b>	No known significant effects or critical hazards.

### Potential chronic health effects

<b>General</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Battery does not pose an Ecotoxicity hazard. Cells or batteries under normal use conditions pose no ecotoxicity hazard.
<b>12.2 Persistence and degradability</b>	There is no data available.
<b>12.3 Bio accumulative potential</b>	There is no data available.
<b>12.4 Mobility in soil</b>	There is no data available.
<b>12.5 Results of PBT and vPvB assessment</b>	There is no data available.
<b>12.6 Endocrine disrupting properties</b>	There is no data available.
<b>12.7 Other adverse effects</b>	No known significant effects or critical hazards.

### Further information

Ecological injuries are not known or expected under normal use. Do not flush into surface water or sanitary sewer system.

## SECTION 13: DISPOSAL CONSIDERATIONS





### 13.1 Advice on disposal

For recycling consult manufacturer.

### 13.2 Contaminated packaging

Disposal in accordance with local regulations.

## SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA / ICAO
<b>UN number</b>	UN3480	UN3480	UN3480
<b>UN proper shipping name</b>	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES
<b>Transport hazard Label</b>			 
<b>Environmental Hazards</b>	None	None	None
<b>Additional information</b>	HAZMAT shipping papers required	IMO Declaration is required.	IATA Shipper's Declaration of Dangerous Goods (DGD) is required.  Ensure State of charge (SOC) does not exceed 30% of rated design capacity  Maximum 35 kg (battery weight) net quantity per package (battery weight only; excluding weight of packaging/ equipment).  Statement on the Air waybill: "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration" and 'Cargo Aircraft Only' or 'CAO'.

The following provides information to trained and certified individuals to support proper shipping of this item.

Nominal Voltage (DCV)	Nominal Capacity (mAh)	Power (Wh)	Weight
14.76	35000	517	6.39 Kg (1.90 kg is the lithium battery)

- The battery pack meets the requirements of the test in the United Nations (UN) Manual of Tests and Criteria, Part III, subsection 38.3. UN38.3 Test Report Summary is available upon request.
- Batteries must be packed in strong rigid outer packaging for transportation. UN Spec packaging required.
- The International Air Transport Association (IATA) Dangerous Goods Regulations Packing Instruction 965 IA applies.
- AIR Only: Ensure State of charge (SOC) does not exceed 30% of rated design capacity.
- Do not pack or overpack with dangerous goods classified in Class 1 (except 1.4S), Division 2.1 (flammable gases), Class 3 (flammable liquids), Division 4.1 (flammable solids) and Division 5.1 (oxidizers).

## SECTION 15: REGULATORY INFORMATION

<b>U.S. Federal regulations</b>	<ul style="list-style-type: none"> <li>• TSCA Status: Complies.</li> <li>• OSHA: Manufactured article exempt from 29 CFR 1910.1200</li> <li>• SARA EPA Title III: None.</li> <li>• Sec. 302/304: None.</li> <li>• Sec. 311/312: None.</li> <li>• Sec. 313: None.</li> <li>• CERCLA RQ: None</li> </ul>						
<b>Canada Lists</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;"><b>Canadian NPRI</b></td> <td>None</td> </tr> <tr> <td><b>CEPA Toxic substances</b></td> <td>None</td> </tr> <tr> <td><b>Canada inventory</b></td> <td>None</td> </tr> </table>	<b>Canadian NPRI</b>	None	<b>CEPA Toxic substances</b>	None	<b>Canada inventory</b>	None
<b>Canadian NPRI</b>	None						
<b>CEPA Toxic substances</b>	None						
<b>Canada inventory</b>	None						
<b>EU Classification for the Substance/Preparation</b>	<ul style="list-style-type: none"> <li>• These products are not classified as hazardous according to Regulation (EC) No. 1272/2008. Keep out of the reach of children.</li> </ul>						
	<ul style="list-style-type: none"> <li>• Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended: Not listed.</li> <li>• Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended: Not listed.</li> <li>• Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended: Not listed.</li> <li>• Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended: Not listed.</li> <li>• Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended: Not listed.</li> </ul>						

	<ul style="list-style-type: none"> <li>Regulation (EC) No. 166/2006, REACH Article 59(10) Candidate List as currently published by ECHA: Not listed.</li> </ul>
<b>EU Authorizations:</b>	<ul style="list-style-type: none"> <li>Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended: Not listed.</li> </ul>
<b>EU Restrictions on use:</b>	<ul style="list-style-type: none"> <li>Regulation (EC) No. 1907/2006, REACH Annex XVII Directive 2004/37/EC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding: Not listed</li> </ul>
<b>Other EU Regulations</b>	<ul style="list-style-type: none"> <li>Directive 96/82/EC (Seveso II) on the control of major accident hazards involving dangerous substances: Not listed.</li> <li>Directive 94/33/EC on the protection of young people at work: Not listed. This Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.</li> </ul>
<b>Chinese Regulations:</b>	<ul style="list-style-type: none"> <li>General Rule for Classification and Hazard Communication of Chemicals (GB 13690-2009): Specifies the classification, labelling and hazard communication of chemicals in compliance with the GHS standard for chemical production sites and labelling of consumer goods.</li> <li>General Rule for Preparation of Precautionary Labels for Chemicals (GB 15258-2009): Specifies the relevant application methods of precautionary labels for chemicals. Safety Data Sheet for Chemical Products Content and Order of Sections (GB/T 16483-2008)</li> <li>(GB/T 17519-2013) Guidance on the compilation of safety data sheet for chemical products.</li> </ul>

## SECTION 16: OTHER INFORMATION

This file is only effective for Schneider OffGrid models PPS500-AZ, PPS500-UK, PPS500-GR., provided by commissioner Schneider Electric IT Corporation, which is manufactured by Schneider Electric IT USA, Schneider Electric IT Corp. The commissioner provides the composition information of batteries and promises its integrity and accuracy. Users should read this file carefully and use the batteries in correct method. Schneider Electric doesn't assume responsibility for any damage or loss because of misuse of batteries and UPS.

**Notice to reader:**

Schneider Electric has prepared this Product Safety Datasheets to provide information on the referenced battery systems. Batteries are defined as articles under the GHS and exempt from GHS classification criteria (Section 1.3.2.1.1 of the GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service).

EC: (European Commission).

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health).

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average).

STEL: (Short Term Exposure Limit).

PEL: (Permissible Exposure Level).

REL: (Recommended Exposure Limit).

PC-STEL: (Permissible concentration-short time exposure limit).

PC-TWA: (Permissible concentration-time weighted average).

IARC: (International Agency for Research on Cancer).

LC50: (Lethal concentration, 50 percent kill).

LD50: (Lethal dose, 50 percent kill).

EC50: (Median effective concentration).

BCF: (Bioconcentration Factor).

BOD: (Biochemical oxygen demand).

IECSC: (Inventory of Existing Chemical substances in China).

NOEC: (US National Toxicology program).

RTECS: (Registry of Toxic effects of chemical substances).

TOC: (Total Organic Carbon).

TSCA: (Toxic Substances Control Act of USA).

DSL: (The Domestic Substance list of Canada).

NDSL: (The Non-domestic Substance list of Canada).

IATA: (International Air Transport association).

IMDG: (International Maritime Dangerous Goods).

TDG: (Recommendations on the Transport of Dangerous Goods Model Regulations).