

## Beiblatt zum Sicherheitsdatenblatt / Supplement to the safety data sheet

### Abschnitt 1 / Section 1

#### 1.1 Produktidentifikation / Product identification

s. Original-Datenblatt / see original safety data sheet

#### 1.2 Verwendungen des Stoffs / Uses of the substance

s. Original-Datenblatt / see original safety data sheet











#### 1.3 Einzelheiten zum Lieferanten / Details of the supplier

Firmenname / *Supplier*  
 Straße / *Street*  
 Ort / *City*  
 Tel. / *Phone*  
 E-Mail / *E-Mail*

Stürmer Maschinen GmbH,  
 Dr.-Robert-Pfleger-Str. 26,  
 D-96103 Hallstadt  
 +49 (0)951 96555 - 0 (07:00 - 17:00 Uhr / 07:00 am - 05:00 pm)  
 info@stuermer-maschinen.de

#### 1.4 Notrufnummer / Emergency Telephone

Wählen Sie die passende Notrufnummer anhand des GHS-Symbols auf Ihrem Gefahrgut oder entsprechend Abschnitt 2.2 des orig. Sicherheitsdatenblattes \*.  
 Call the appropriate emergency number using the GHS symbol on your dangerous goods or according to section 2.2 of the original safety data sheet \*.

GHS Gefahren-piktogramm / GHS symbol	GHS-Kürzel/ GHS-no.	Mögliche Signalwörter/ Warning	Gefährdungsklassen / Description of hazards	Notrufnummer */ Emergency Phone *
	GHS01 bis GHS09			+49 (0)951 96555 - 590 Sammelnotrufnummer Gefahrstoffe
	GHS01	Gefahr oder Achtung / Danger or Attention	Explosive Stoffe/Gemische und Erzeugnisse mit Explosivstoff, selbstzersetzliche Stoffe/Gemische, organische Peroxide / Explosive substances / mixtures and products containing explosives, self-reactive substances / mixtures, organic peroxides	- 591
	GHS02	Gefahr oder Achtung / Danger or Attention	Selbstzersetzliche Stoffe/Gemische, organische Peroxide, entzündbare Gase, Aerosole Flüssigkeiten, Feststoffe, selbsterhitzungsfähige Gemische, pyrophore Flüssigkeiten und Feststoffe, Stoffe/Gemische, die bei Berührung mit Wasser entzündbare Gase bilden / Self-reactive substances / mixtures, organic peroxides, flammable gases, aerosols, liquids, solids, self-heating mixtures, pyrophoric liquids and solids, substances / mixtures which form flammable gases on contact with water	- 592
	GHS03	Gefahr oder Achtung / Danger or Attention	Oxidierende Gase, Flüssigkeiten, Feststoffe / Oxidizing gases, liquids, solids	- 593
	GHS04	Achtung / Attention	Verdichtete, verflüssigte, gelöste und tiefgekühlt verflüssigte Gase / Compressed, liquefied, dissolved and refrigerated liquefied gases	- 594
	GHS05	Gefahr oder Achtung / Danger or Attention	Verätzung der Haut, schwere Augenschäden, auch metallkorrosive Eigenschaften / Chemical burns to the skin, severe eye damage, also metal-corrosive properties	- 595
	GHS06	Gefahr / Danger	Äußerst schwere und schwere akute Gesundheitsschäden oder Tod / Extremely severe and severe acute damage to health or death	- 596
	GHS07	Achtung / Attention	Akute Gesundheitsschäden, Reizung der Haut, der Augen und der Atemwege, Sensibilisierung der Haut, narkotisierende Wirkungen / Acute damage to health, irritation of the skin, eyes and the respiratory tract, sensitization of the skin, narcotic effects	- 597
	GHS08	Gefahr oder Achtung / Danger or Attention	Chronische Gesundheitsschäden (Organschädigungen) bei einmaliger oder mehrmaliger Exposition, krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkungen, Lungenschäden durch Eindringen von Substanzen in die Lunge (Aspirationsgefahr), Sensibilisierung der Atemwege / Chronic damage to health (damage to organs) after single or multiple exposure, carcinogenic, mutagenic and reproductive effects, lung damage due to the penetration of substances into the lungs (risk of aspiration), sensitization of the respiratory tract	- 598
	GHS09	Achtung oder ohne Signalwort/ Attention or without wording	Giftig für Wasserorganismen mit kurz- und langfristiger Wirkung / Toxic to aquatic organisms with short and long-term effects	- 599

\* 07:00 - 17:00 Uhr, außerhalb dieses Zeitraums kann die Nummer auf dem Sicherheitsdatenblatt angerufen werden / 07:00 am - 05:00 pm, outside this time, the number on the safety data sheet can be called

Für alle anderen Informationen siehe Original-Sicherheitsdatenblatt / For all other information, see the original safety data sheet

# Safety Data Sheets (SDSs)

Product Name: PowerGiant 3600 High-Performance Industrial  
Mobile Power Station

Commissioner: Chongqing Pingchuang Institute of  
Semiconductors Co., Ltd.

**CVC Testing Technology Co., Ltd.**

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 2 of 12 Pages

Name of Product	PowerGiant 3600 High-Performance Industrial Mobile Power Station
Type/Model	PHS3600P-EU-G, PHS3600P-EU-B, PHS3600P-EU-O, PHS3600P-EU-R, PHS3600P-CN-G, PHS3600P-CN-B, PHS3600P-CN-O, PHS3600P-CN-R, PHS3600P-UK-G, PHS3600P-UK-B, PHS3600P-UK-O, PHS3600P-UK-R, PHS3600P-FR-G, PHS3600P-FR-B, PHS3600P-FR-O, PHS3600P-FR-R, PHS3600P-AU-G, PHS3600P-AU-B, PHS3600P-AU-O, PHS3600P-AU-R 72V*8 4Ah*8 2304Wh
Commissioned by	Chongqing Pingchuang Institute of Semiconductors Co., Ltd.
Commissioner address	No.1 Hongyu Avenue, Biquan Street, Bishan District 402760 Chongqing City P.R. China
Supplier	Chongqing Pingchuang Institute of Semiconductors Co., Ltd.
Supplier address	No.1 Hongyu Avenue, Biquan Street, Bishan District 402760 Chongqing City P.R. China
Inspection according to	GLOBALY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS, Rev.10)
Emergency telephone number	18696720816
Remarks	PowerGiant 3600 High-Performance Industrial Mobile Power Stations have different socket configurations according to different market demands, and thus have various model names
<p>Seal of CVC</p> <p>Date of issue: 2025-09-30</p>	

Approved by: Zhang Siyao

*Zhang siyao*

Reviewed by: Liu Zhen

*liuzhen*

Tested by:

Lin Qingyuan

*Lin Qingyuan*

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 3 of 12 Pages

## **SECTION 1: Product and company identification**

### **Product Identifier:**

Product name: PowerGiant 3600 High-Performance Industrial Mobile Power Station

Model: PHS3600P-EU-G, PHS3600P-EU-B, PHS3600P-EU-O, PHS3600P-EU-R,  
PHS3600P-CN-G, PHS3600P-CN-B, PHS3600P-CN-O, PHS3600P-CN-R,  
PHS3600P-UK-G, PHS3600P-UK-B, PHS3600P-UK-O, PHS3600P-UK-R,  
PHS3600P-FR-G, PHS3600P-FR-B, PHS3600P-FR-O, PHS3600P-FR-R,  
PHS3600P-AU-G, PHS3600P-AU-B, PHS3600P-AU-O, PHS3600P-AU-R

### **Other means of identification:**

Synonyms: None

### **Relevant identified use of Product and uses advised against:**

Recommended Use:

Applied to household appliances, electric industrial tools, cooking equipment, Communication Equipment

Uses advised against: 1、 Prohibit disassembly, impact, crushing, or exposure to fire/water. Do not operate in ambient temperatures exceeding the device's operating limit.

2、 This device is not recommended for supplying power to life-sustaining medical equipment, including but not limited to ventilators and extracorporeal membrane oxygenation (ECMO) systems.

3、 Do not use water jet cleaning, and the use of high-pressure washers is strictly prohibited.

4、 When performing discharge operations, the included grounding protection wire must be securely connected to an earth ground terminal or grounding rod.

5、 Under no circumstances should the product be opened, especially the front and rear covers. Maintenance and repair can only be carried out by trained professionals.

6、 It cannot be used as a working base, temporary workbench, step, or climbing aid.

7、 Only use the accompanying charging cable for charging. If you have any questions about this, please contact our company or agent.

8、 If the battery catches fire, extinguish it with water. If possible, immerse the product completely in water. Call the fire department and inform them that a lithium-ion battery is burning.

9、 It is necessary to prevent the product from coming into contact with chemicals, fuels, and lubricants.

10、 Storage at temperatures above 65° C is prohibited, and it must be kept away from external heat sources (such as prolonged solar radiation, fire sources, and radiant heaters). Contact with the surrounding air should not be restricted (for example, by operating in a sealed container).

### **Details of the Supplier of the safety data sheet:**

Name: Chongqing Pingchuang Institute of Semiconductors Co., Ltd.

Address: No.1 Hongyu Avenue, Biquan Street, Bishan District 402760 Chongqing City P.R. China

Telephone: 18696720816

Fax: -

Postcode: -

E-mail address: yong.jin@pcsemic.com

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 4 of 12 Pages

**Emergency telephone number:**

Company Emergency Phone Number: 18696720816

## SECTION 2: Hazard identification

**Classification:**

The watt-hour rate of the product is 2304Wh, it is belong to the class 9 dangerous goods.

The product is tested according to Section 38.3 of the Manual of Tests and Criteria, the test report number is: RZUN022025-0042

**Other information**

Caution! Avoid short circuit place in high temperature environment, put into water, or damage the shell.

## SECTION 3: Composition/information on ingredients

**Chemical characterization:** Mixtures

**Description:** Chemical power supply based on nonaqueous electrolyte. Composed by positive electrode, negative electrode, diaphragm, electrolyte and shell.

Hazardous ingredients:

Common Chemical Name	Chemical Formula	Concentration (%)	CAS No.	EC No.
lithium nickel cobalt aluminum oxides	$\text{Li}_{1.02}\text{Ni}_{0.881}\text{Co}_{0.0}$ $_{98}\text{Al}_{0.021}\text{O}_2$	31.9%	131344-56-4	-
graphite	C	14.4%	7782-42-5	231-955-3
Silicon monoxide	SiOx/MgxSiOy	1.6%	10097-28-6	233-232-8
lithium hexafluorophosphate	LiPF <sub>6</sub>	1.5%	21324-40-3	244-334-7
Polyvinylidene fluoride	(CH <sub>2</sub> CF <sub>2</sub> ) <sub>n</sub>	0.4%	24937-79-9	607-458-6
iron	Fe	19.1 %	7439-89-6	231-096-4
Copper	Cu	13.0%	7440-50-8	231-159-6
Aluminum	Al	4.6%	7429-90-5	231-072-3
Nickel	Ni	0.1%	7440-02-0	231-111-4
carbon black	C	1.1%	1333-86-4	215-609-9
styrene-butadiene rubber	C <sub>36</sub> H <sub>42</sub> X <sub>2</sub>	0.7%	9003-55-8	618-370-2
carboxymethyl		0.2%	9004-32-4	618-378-6

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 5 of 12 Pages

cellulose sodium salt	$[C_6H_7O_2(OH)_2OCH_2COONa]_n$			
electrolyte				
solvents:				
ethylene carbonate	$C_3H_4O_3$	7.3%	96-49-1	202-510-0
dimethyl carbonate	$C_3H_6O_3$		616-38-6	210-478-4
propylene carbonate	$C_4H_6O_3$		108-32-7	203-572-1
Ethyl methyl carbonate	$C_4H_8O_3$		623-53-0	433-480-9
Polyethylene	$(C_2H_4)_n$	2.1%	9002-88-4	618-339-3
Polyethylene terephthalate	$(C_{10}H_8O_4)_n$	2.0%	25038-59-9	607-507-1

Note: N/A=Not apply.

## SECTION 4: First-aid measures

### **First aid measures:**

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Swallowing: Do not induce vomiting. Get medical attention.

### **Most Important Symptoms/Effects:**

No information available.

### **Indication of any immediate medical attention and special treatment needed:**

Inform physician. Treat symptomatically.

## SECTION 5: Fire-fighting measures

### **Suitable Extinguishing Media:**

CO<sub>2</sub>, dry chemical powder, wet sand, plenty of water (for cooling).

Unsuitable Extinguishing Media: No information available.

### **Protective Equipment and Precautions for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. For example: Wear self-contained respiratory

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 6 of 12 Pages

protective device. Wear suitable protective clothing and eye/face protection.

## **Special hazards arising from the substance or mixture:**

Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium batteries contain flammable ingredients that may vent, ignite and produce sparks when subjected to high temperature (>150°C), 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.

## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures:**

Personal Precautions Avoid contact with eyes.

Refer to section 8 for personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Evacuate personnel to safe areas.

### **Environmental precautions:**

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

### **Methods and material for containment and cleaning up:**

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other Non-combustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## **SECTION 7: Handling and storage**

### **Precautions for safe handling:**

Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Avoid mechanical or electrical abuse.

More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly. In case of a battery unintentionally be crushed, rubber gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidizing agents, Corrosives.

### **Conditions for safe storage, including any incompatibilities:**

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short-circuits. Materials to Avoid: Strong oxidizing agents, Corrosives.

# Safety Data Sheets (SDSs)

## SECTION 8: Exposure controls/personal protection

### **Engineering Controls:**

Use ventilation equipment if available. Safety shower and eye bath.

### **Personal Protective Equipment:**

Respiratory System: Not necessary under conditions of normal use.

Eyes: Not necessary under conditions of normal use.

Clothing: Wear appropriate protective clothing.

Hand: Safety gloves.

### **Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

## SECTION 9: Physical and chemical properties

PhysicalState	Form: Irregular shape
	Color: White
	Odour: Odourless
	Odor Threshold: No information available
Change in condition:	
pH, with indication of the concentration	Not determined.
Melting point/freezing point	Not determined.
Initial boiling point and Boiling range:	Not determined.
Flash Point	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Auto-ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined.
Other Information	No further relevant information available.

## SECTION 10: Stability and reactivity

**Reactivity:** Stable under recommended storage and handling conditions (see section 7).

**Chemical stability:** Stable under normal conditions of use, storage and transport.

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of Hazardous Reactions:** None under normal processing.

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 8 of 12 Pages

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:** Strong heating, fire, Incompatible materials.

**Incompatible materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products:** Carbon oxides, other irritating and toxic gases.

## SECTION 11: Toxicological information

**Acute toxicity:** No data available.

**Skin corrosion/irritation:** No irritant effect.

**Serious eye damage/irritation:** Cause serious eye irritation.

**Respiratory or skin sensitization:** No sensitizing effects known.

**Specific target organ system toxicity:** No information available.

*Note: The internal battery materials may cause irritation to eyes and skin.*

## SECTION 12: Ecological information

**Toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

**Other adverse effects:** No information available.

## SECTION 13: Disposal considerations

**Waste treatment methods:**

Recommendation: Lithium batteries are best disposed of as a non-hazardous waste when fully or mostly discharged. Contact a licensed professional waste disposal service to dispose of large quantities materials.

**Other disposal recommendations:**

Recommendation: Disposal must be made according to official regulations.

## SECTION 14: Transport information

The product had been tested according to the requirements of the UN manual of tests and Criteria, Part III, subsection 38.3 (see section 2)

**EmS No:** F-A ,S-I

**Marine pollutant:** No

**Environmental hazards:** Not applicable.

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 9 of 12 Pages

**Special precautions for user:** Not applicable.

**Proper Shipping name:** Lithium ion batteries

**Hazard Class:** Class 9

**UN/ID Number:** UN3480

**Packaging Group:** II

**Air transport:**

**Label for conveyance:** Class 9 Lithium Batteries or Sodium Ion Batteries hazard label, Cargo Aircraft Only Label

The goods are complied with the requirements of Section IA of Packing Instruction 965 of 66th DGR Manual of IATA (2025 Edition).

**Maritime transport:**

**Label for conveyance:** Class 9 lithium battery hazard label

The goods are complied with the requirements of Packing Instruction P903 of IMDG CODE (Amdt. 41-22) (2022 Edition).

**Land transport:**

**Label for conveyance:** Class 9 lithium battery hazard label

The goods are complied with the requirements of Packing Instruction P903 of Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2025).

**Rail transport:**

**Label for conveyance:** : Class 9 lithium battery hazard label

The goods are complied with the requirements of Packing Instruction P903 of Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2025)

## SECTION 15: Regulatory information

**International Regulation:**

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS)

Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations

IATA Dangerous Goods Regulations (DGR)

INTERNATIONAL MARITIME DANGEROUS GOODS CODE (IMDG CODE)

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)

**EU Regulation:**

Regulation (EU) 2020/878: Revised Requirements for EU Safety Data Sheets

EU regulation (EC) 1272/2008 on "Classification, Labeling and Packaging of Substances and Mixtures" (CLP)

Registration, Evaluation and Authorization of Chemicals (REACH)

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

**US Regulation:**

American National Standard for Hazardous Workplace Chemicals – Hazard Evaluation and

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 10 of 12 Pages

Safety Data Sheet and Precautionary Labeling Preparation

US DOT, Code of Federal Regulations, Title 49, Transportation, PT. 100-185

章

# Safety Data Sheets (SDSs)

Ref. No.: RZUN022025-0042-20-DS2

Page 11 of 12 Pages

## SECTION 16: Other information

This file is only effective to the batteries

(PHS3600P-EU-G, PHS3600P-EU-B, PHS3600P-EU-O, PHS3600P-EU-R, PHS3600P-CN-G, PHS3600P-CN-B, PHS3600P-CN-O, PHS3600P-CN-R, PHS3600P-UK-G, PHS3600P-UK-B, PHS3600P-UK-O, PHS3600P-UK-R, PHS3600P-FR-G, PHS3600P-FR-B, PHS3600P-FR-O, PHS3600P-FR-R, PHS3600P-AU-G, PHS3600P-AU-B, PHS3600P-AU-O, PHS3600P-AU-R) provided by commissioner Chongqing Pingchuang Institute of Semiconductors Co., Ltd.. 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. CVC Testing Technology Co., Ltd. (CVC) doesn't assume responsibility for any damage or loss because of misuse of batteries.

---

## Important

1. The test report is invalid without the official seal of CVC.
2. Nobody is allowed to photocopy or partly photocopy this test report without written permission of CVC.
3. The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.
4. The test report is invalid if altered.
5. Objections to the test report must be submitted to CVC within 15 days.
6. This report is valid for the samples provided by commissioner only.

*\*The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented. \**

Address: No.3, Tiantai 1st Road, Kaitai Avenue, Science City, Guangzhou, Guangdong, China.

Tel: 020 32293888

FAX: 020 32293889

Post Code: 510663

E-mail: office@cvc.org.cn

<http://www.cvc.org.cn>