

Leaflet: Transport by Plane of Scewo Bro

Disclaimer:

This document is of explanatory nature only. Specifications rely on original equipment of the wheelchair. Please refer to the datasheet, invoice and manual that came with the wheelchair on delivery.

Regulatory Basics:

As defined by IATA, every airline needs to provide a service to transport wheelchairs for impaired persons. The wheelchair is transported as cargo in the freight room or as proposed by the airline. The batteries of the wheelchair are considered "Dangerous Goods" and therefore, certain safety requirements apply. Scewo fulfills all these requirements as can be seen from the specifications below and supplied together with delivery of the wheelchair.

Please follow these links for regulatory basics:

- <https://www.iata.org/contentassets/6feq26dd84d24b26a7a1fd5788561d6e/mobility-aid-guidance-document-2019-en.pdf>

Technical Specifications of Scewo Bro V1

Please see technical datasheet that can be found in the download section of our website:

www.scewo.com

For test reports of the battery, please contact Scewo directly via email: info@scewo.ch

Most relevant specifications regarding the battery (subject to change, please refer to official datasheet delivered with your product):

General Specifications

Parameter	Value
Name of the manufacturer	Scewo AG Technoparkstrasse 7 8406 Winterthur, Switzerland www.scewo.com Tel: +41 44 500 86 03 Email: info@scewo.ch
Weight of the wheelchair (without user)	160kg
Dimensions for air transport (folded backrest), L x W x H	1100 x 700 x 900 mm
Battery types	1. Li-On (main battery) 2. Lead-Acid (small backup battery)
Total number of batteries installed	2, see details below
IATA Wheelchair Classification Code	WCLB (mobility aid with lithium ion batteries)

Battery 1: Main Battery

Parameter	Value
Battery type	Li-On
Number of batteries installed	1
Installation type	Fixed (not removable by user)
Battery voltage	48V
Max Battery capacity	(depending on model, see below)
Energy content of battery	(depending on model, see below)
Battery safety certification	UN 38.3
IATA Classification Code	WCLB (mobility aid with lithium ion batteries)

Battery 1 Variants (see label under seat plate)



Designation	Nominal Capacity	Nominal Voltage	Energy Content of Battery
Scewo Battery Version 1 - Art 1345	31.5 Ah	48V	1'512 Wh
Scewo Battery Version 2 SB - Art 2445	30.15 Ah	46.8V	1'411 Wh

Battery 2: Backup Battery

Parameter	Value
Battery type	Lead-Acid, non-spillable (backup battery)
Number of batteries installed Li-On	1
Installation type	Fixed (not removable by user)
Battery voltage	6V
Battery capacity	4.5 AH
Energy content of battery	27 Wh
Battery safety certification	<ul style="list-style-type: none"> • UN No. 2800 (not spillable) <ul style="list-style-type: none"> ○ Incl. Special Provision 238 ○ Vibration test ○ Pressure differential test • IATA A 67
IATA Classification Code	WCBD (mobility aid with non-spillable batteries)

How to disconnect power from the device?

It is crucial to separate battery power during transport from the device! To do so, follow these steps:

1. Turn off wheelchair using the on/off button on the interface.
2. **Push main power button in the back into position "off"**. The battery is now disconnected from the rest of the system.
3. **Secure the main power button in the back against accidental power on**. This can be achieved by applying a wide plastic tape over the recession where the main power button is placed.

How to move the wheelchair in free wheel mode?

1. Ask the user to put the wheelchair in "park mode".
2. Gently lift the front of the wheelchair so that the rubber tracks are slightly in the air.
3. Put a small carriage with rollers below the crossbar of the tracks.
4. Secure the carriage with appropriate straps onto the wheelchair so it can not fall off during transport.
5. Cover the interface with protective foam or remove it.
6. Fold down the backrest and secure it with a strap.
7. Now the wheelchair is ready to be moved into the cargo area of the wheelchair.

How to secure the wheelchair inside the plane?

Always secure the wheelchair during transport with straps (rated for a load of 200 kg or more) against unwanted movement.

- Use the big eyes/loops in the 4 edges of the wheelchairs if available.
- Don't forget to secure the folded-down back support against accidental folding up.
- If no eyes are available, the wheelchair can be secured as shown below:



(a) Sicherung vorne



(b) Vorne Details



(c) Sicherung hinten



(d) Hinten Details

Abbildung 4.19: Empfohlene Ladungssicherung des Rollstuhls

Preparation Checklist for air transport

1. Check the website of your airline for information about wheelchair transport
2. Inform your airline about your special needs and send them this leaflet (it contains all information they need).
3. Prepare the following material before the day of departure:
 - a. Print this Leaflet twice (second one for your return journey).
 - i. Best, print double sided so you only have 1 single page.
 - b. Small carriage with strap to move the turned off wheelchair or ask the airport personnel how they will move the wheelchair.
 - c. Plastic tape (e.g. isolation tape), at least 15mm wide
 - d. Small strap to secure the back support when folded down
 - e. Bubble wrap to protect the interface console
4. On the airport
 - a. Arrive early to arrange everything
 - b. Park wheelchair in park mode
 - c. Transfer to airport wheelchair.
 - i. Best practice: Keep the seating cushion from Scewo Bro wheelchair with you so you can sit more comfortably during long flights
 - d. Fold down the back support
 - e. Secure the back support using a strap.
 - f. Turn off wheelchair using the big on/off switch in the back
 - g. Cover interface console in protective wrap or remove it and carry it along in your hand baggage.
 - h. Cover on/off switch with tape (secure against accidental power on)
 - i. Instruct airport personnel how to move the wheelchair while it is turned off
 - i. A little carriage can be placed below the tracks connection beam and secured with straps in order to move it around.
 - j. Instruct airport personnel how to secure the wheelchair inside the cargo area using straps.
 - k. Hand out one copy of this leaflet to the personnel at the airport or attach it to the wheelchair.