

Air travel with Li-Ion battery for Pro B3

2024-11-25



General information

The general restrictions for travelling by air with batteries is set by IATA dangerous goods regulations (IATA-DGR). The restrictions for passengers carrying a rechargeable Lithium-Ion onboard depends on the Watt-hour (Wh) rating of the battery. Different restrictions also

apply depending on if the battery is installed in the equipment or brought as spare (extra) battery. A general requirement for allowing a Lithium-ion battery onboard is that it is tested and certified for air transport in accordance with Part III, Sub-section 38.3 of the UN Manual of Tests and Criteria.

Li-Ion Battery for B10



Profoto Li-Ion Battery for Pro B3 (Model: PCA5668) is tested and certified for air transport in accordance with Part III, Sub-section 38.3 of the UN Manual of Tests and Criteria (see separate UN transportation certificate). The Model # of the Pro B3 battery can be found on the battery type label (see example to the left). The battery is rated less than 100Wh (80.7 Wh). To the right you will find an extract of the IATA provisions for Li-Ion batteries rated less than 100Wh carried by passenger or crew for personal use.

Batteries installed in equipment

Approval of the operator is required	No
Permitted in or as checked baggage	Yes
Permitted in or as carry-on baggage	Yes
The pilot-in-command must be informed of the location	No

Spare batteries

Approval of the operator is required	No
Permitted in or as checked baggage	No
Permitted in or as carry-on baggage	Yes
The pilot-in-command must be informed of the location	No

Additional notes

If the battery is installed in equipment, the battery terminals must be taped so it won't accidentally turn on during the flight.

Spare batteries should be packed individually or battery terminals taped to prevent short circuit of batteries during the flight.

Important notice

Damaged batteries

Batteries that are damaged or defect or batteries that are suspected to be damaged or defect, are strictly forbidden to transport by air. Such batteries can only be transported by road or sea and only in full compliance with applicable dangerous goods regulations. (Special Provision A154, IATA-DGR & ICAO-TI)

Links to more information

<https://www.iata.org/en/programs/cargo/dgr/dgr-guidance-passengers/>

<https://www.iata.org/contentassets/6fea26dd84d24b26a7afd5788561d6e/dgr-65-en-2.3.a.pdf>

<https://www.iata.org/en/programs/cargo/dgr/lithium-batteries/>

UN transportation certificates

Transportation certificate for Model 100444 on page 2 in this document.

Supplier's test summary

UN 38.3

Information about the manufacturer: Name: Akku Power GmbH Batterien Address: Paul-Strähle-Strasse 26 73614 Schorndorf Germany Phone: +49 (0) 7181 97735-0 eMail: info@akku-power.com Website: www.akkupower.de	Authorized laboratory: The tests were performed by the following test laboratory. Name: SIQ Ljubljana Address: Mašera-Spasičeva 10 1000 Ljubljana Slovenia Phone: +386 1 4778 240 eMail: info@siq.si Website: www.siq.si
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Description of product:

Cell type: Molicel 18650P28A

Battery assembled with a rated voltage of 14.4V and a capacity of 5.6Ah (8 cells; 4S2P)

Product test information:

Each object of this declaration has been tested and was found to be compliant with the UN Manual of Test and Criteria, Part III, subsection 38.3.

Model	Weight	W/h rating	Edition of the manual of test and criteria	Test report number	Test report date
PCA5668	560 grams	80,7	ST/SG/AC.10/11 IECEE OD-2020-F1:2021, Ed.1.4	T211-0357/24	2024-04-15

Conducted tests and results

Test Item	Test Result	Test Item	Test Result
T1. Altitude simulation	Pass	T5. External short circuit	Pass
T2. Thermal test	Pass	T6. Impact	Pass
T3. Vibration	Pass	T7. Overcharge	Pass
T4. Shock	Pass	T8. Forced Discharge	Pass
P-1 Drop	Pass		

Additional information:

In original Akku Power packaging the products comply with the following special provisions of international transport regulations:

- IATA DGR: Packing Instruction 968 Section IB (Transportations of cells or batteries packed with equipment or contained in equipment have to follow Packing Instructions 969 or 970 Section II.)
- ADR/RID/ADN/IMDG Code: Special Provision 188
- DOT / 49 CFR: §173.185 (c)

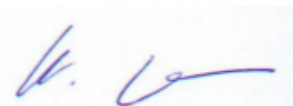
The products have been manufactured under a quality management program according to IATA DGR clause 3.9.2.6.1 (e), ADR clause 2.2.9.1.7 e), and IMDG code clause 2.9.4.5.

Place and date of issue:

Schorndorf, April 20, 2020



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(company stamp)

(signature)