

Air travel with the Li-Ion battery for Pro-B4

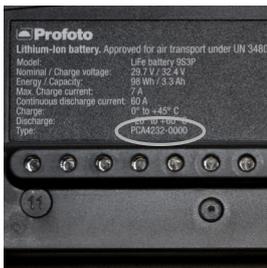


General information

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 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.

Lithium-Ion battery for Pro-B4



The Profoto Pro-B4 battery (Type no: PCA4232-0000) 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 Type number of the Pro-B4 battery can be found on the battery type label (see image) and on the UN transportation certificate. The Watt-hour rating of the Pro-B4 battery is 98Wh.

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 this must be packaged 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

<http://www.iata.org/whatwedo/cargo/dgr/Pages/dgr-guidance.aspx>

<http://www.iata.org/whatwedo/cargo/dgr/Documents/passengerprovisions-table-23A-en.pdf>

<http://www.iata.org/whatwedo/cargo/dgr/Documents/passengerlithium-battery.pdf>

UN transportation certificate

See separate page.

TRANSPORTATION CERTIFICATE

Concerning the transport according to the dangerous goods regulations of the different transport modes as in force since January, 1st 2003 and changes effective from 2013

WE HEREWITH CERTIFY THAT EACH BATTERY PACK IS OF THE TYPE PROVED TO MEET THE REQUIREMENTS OF EACH APPLICABLE TEST IN THE UN MANUAL OF TESTS AND CRITERIA, PART III, SUB-SECTION 38.3, REV. 5, AMEND. 1

CERTIFICATE/REPORT NO.: BU-2013-000568-UN	
UN No. / Shipping name:	UN 3480 LITHIUM ION BATTERY UN 3481 LITHIUM ION BATTERY packed with equipment / contained in equipment
Certified Product:	LITHIUM ION BATTERY (rechargeable)
Model Designation:	9S3P APR18650M1 (29.7V/3.3Ah)
Article Number:	14932-1 / Profoto No. PCA4232-0000
Certificate Holder:	Profoto AB Landsvägen 57 · SE-17225 Sundbyberg · Sweden

PERFORMED TESTS	RESULTS
38.3.4.1 Test 1: Altitude Simulation	passed
38.3.4.2 Test 2: Thermal Test	passed
38.3.4.3 Test 3: Vibration	passed
38.3.4.4 Test 4: Shock	passed
38.3.4.5 Test 5: External Short Circuit	passed
38.3.4.6 Test 6: Impact/Crush	not applicable
38.3.4.7 Test 7: Overcharge	passed
38.3.4.8 Test 8: Forced Discharge	not applicable

▶ Watt-hour rating of the battery pack: 98,01 Wh ◀

As the Watt-hour rating of the battery is not more than 100 Wh, this lithium ion battery is not subject to other provisions of ADR, RID, ADN and IMDG-Code if shipped in compliance with Special Provision 188.

Effective January 1, 2013 this lithium ion battery can be shipped by air in accordance with ICAO-TI or IATA-DGR, Section II or Section IB, Packing Instructions (PI) 965 (Lithium Ion Batteries), PI 966 (Lithium Ion Batteries, packed with equipment) and PI 967 (Lithium Ion Batteries, contained in equipment) as appropriate.

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Date of issue



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