

Air travel with the Li-Ion battery for B1

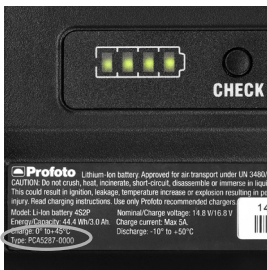


General information

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 B1



The Profoto B1 battery (Type no: PCA5287-0000) 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 B1 battery can be found on the battery type label (see image) and on the UN transportation certificate. The Watt-hour rating of the B1 battery is 44.4Wh.

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

This is to certify that the Abatel battery pack, described below has successfully passed the prevailing transportation tests, as per the test procedures of Part III, Sub-section 38.3 of the UN Manual of Tests and Criteria.

Product description:

Battery type:	Lithium Ion Rechargeable Battery
Brand Label:	Profoto
Profoto type no:	PCA5287-0000
Celltech Abatel type no:	AB42H
Nominal voltage:	14.8V
Rated Capacity:	Cell capacity 1.5Ah, pack capacity 3.0Ah (4S2P)
Energy density:	44.4Wh

Test item and conclusion:

1.	Altitude simulation:	PASS
2.	Thermal test:	PASS
3.	Vibration:	PASS
4.	Shock:	PASS
5.	External short circuit:	PASS
6.	Impact:	PASS
7.	Overcharge:	PASS
8.	Forced discharge:	PASS

Celltech Abatel internal ref, test report # H08303015621D-1, H08303015721D-1, H08303015811D, H08303015911D

All test records are maintained on file at Celltech Abatel AB, Sweden and can be submitted on specific request.

Sincerely,

City and date

Stockholm, 14th November 2013

Authorized signature



Jesper Björkén

Title, position

Vice Managing Director