

## Travelling with Lithium Batteries and Electronic Devices

For safety reasons, lithium batteries and devices powered by them are subject to international regulations. Please review the following guidelines before travelling.

### Lithium Batteries in the Cabin

- Lithium batteries and battery-powered devices should preferably be carried in carry-on baggage
- Spare batteries and power banks are not permitted in checked baggage

If devices are placed in checked baggage:

- They must be completely switched off (not in sleep or standby mode)
- They must be protected from damage and accidental activation

### Spare Batteries -Not installed in a device

- Carry-on baggage only
- Must be individually protected to prevent short circuits:
  - Original packaging or terminals insulated (e.g. taped)
  - Separated in a protective pouch/bag
- Maximum 20 spare batteries per passenger
- Maximum 2 spare batteries per device

### Power Banks

- Carry-on baggage only
- Maximum 2 per passenger ( $\leq 100$  Wh each)
- Restrictions:
  - Must not be recharged on board
  - Must not be used during taxi, take-off or landing
  - Should not be stored in overhead lockers

### Electronic Devices (PEDs & Medical Devices) - phones, laptops, tablets, cameras, and portable medical devices:

- Recommended in carry-on baggage
- Limited to 15 devices per passenger

### E-cigarettes and Vaporizers

- Carry-on baggage only
- Must be protected from accidental activation
- Charging on board is not permitted

### Smart Luggage

- If equipped with a lithium battery:
  - Battery must be removable

- If checked in, the battery must be removed and carried in the cabin

### **Battery Size and Approval**

- Batteries up to 100 Wh: allowed (within limits)
- Batteries between 100 Wh and 160 Wh - Airline approval required
- Batteries above 160 Wh - Not permitted in passenger baggage (cargo only)

Passengers requesting approval may need to provide:

- Battery capacity (Wh or lithium content)
- Number of batteries
- Type (installed or spare)

### **Wheelchairs and Mobility Aids with Spillable Batteries**

- Wheelchairs and Mobility Aids with Spillable Batteries SHALL NOT be accepted for carriage.

### **Wheelchairs and Mobility Aids with Lithium Batteries**

- Approval may be given for the lithium battery(ies) to remain installed in the wheelchair or mobility aid, if the battery(ies) is protected against damage by the design and securely attached, or be removed, following the manufacturer's instructions.
- When the lithium battery(ies) remain installed in the mobility aid, there is no Watt-hour limit.
- If the batteries are removed from the mobility aid and carried in the cabin, the removed battery(ies) must not exceed a total of 300 Wh. (one spare lithium-ion battery not exceeding 300 Wh or two spare batteries each not exceeding 160 Wh )
- A passenger may carry spare batteries up to a cumulative total of 300 Wh per mobility aid.
- All removed and spare batteries must be protected from damage (e.g. by placing each battery in a protective pouch) and must only be carried in the passenger cabin.

### **Wheelchairs / Mobility Aids with Non-spillable Wet Batteries, Nickel-Metal Hydride Batteries or Dry Batteries**

- The mobility aid must be prepared for transport to prevent unintentional activation
- The battery terminals must be protected from short circuits, e.g. by being enclosed within a battery container;
- The battery(ies) is either:
  - Adequately protected against damage by the design of the mobility aid and securely attached to the wheelchair or mobility aid with electrical circuits isolated following the manufacturer's instructions; or
  - Removed from the mobility aid following the manufacturer's instructions.
- Non-spillable batteries are not permitted to contain any free or unabsorbed liquid.
- A passenger may carry a maximum of one spare wet, non-spillable battery
- The battery(ies) must be removed from the wheelchair/mobility aid
- Any spare batteries are carried in strong, rigid packaging, only in the cargo compartment

***! Important note: The approval of the operator is required for the carriage of battery-powered wheelchairs and mobility aids.***

**Before packing, please review the IATA Guidance for Passengers Travelling with Lithium Batteries**

Wh rating	lithium metal content	Configuration	Carry-on baggage	Checked baggage	Operator approval
≤ 100 Wh	≤ 2 g	Installed in PED or PMED	Yes <sup>1</sup>	Yes*	No <sup>1</sup>
		Spare battery(ies) including power source	Yes <sup>2</sup>	No	No <sup>2</sup>
		Power bank	Yes <sup>3</sup>	No	No <sup>3</sup>
> 100 Wh but ≤ 160 Wh		Installed in PED or PMED	Yes	Yes	Yes
		Spare battery(ies)	Yes <sup>4</sup>	No	Yes
		Power bank	Forbidden		
	> 2 g but ≤ 8 g	Installed in PMED only	Yes	Yes	Yes
		Spare batteries for PMED only	Yes <sup>4</sup>	No	Yes
		e-cigarette	Yes	No	No
≤ 2.7 Wh	≤ 0.3 g	Installed in smart luggage	Yes	Yes	No
> 2.7 Wh	> 0.3 g	Removable battery integrated in smart luggage	Yes	Yes**	No
		Non-removable battery installed in smart luggage	Forbidden		
>160Wh		Must be prepared and carried as cargo in accordance with the IATA Dangerous Goods Regulations			

1. Each person is limited to a maximum of 15 PED. The operator may approve the carriage of more than 15 PED.
  2. Each person is limited to a maximum of 20 spare batteries of any type. The operator may approve the carriage of than 20 batteries.
  3. Limited to maximum of 2 power banks.
  4. Limited to maximum of 2 spare batteries per device
- \* When devices are carried in checked baggage, must be completely switched off (not in sleep or hibernation mode), unless
- lithium content does not exceed 0.3 g for lithium metal batteries per device, and
  - Wh rating does not exceed 2.7 Wh for lithium-ion batteries per device.
- \*\* If the baggage is to be checked in, the lithium battery must be removed and the removed battery must be carried in the cabin.

***! Important Safety Advice***

- *Carry only essential devices and batteries*
- *Avoid charging devices immediately before boarding*
- *Allow batteries to cool before packing*
- *Keep batteries separated and protected*
- *Immediately inform crew if a device is damaged, overheating, or smoking*
- *If cabin baggage is checked at the gate, remove all batteries and devices first*