

AIR TRANSPORT CERTIFICATE FOR THE EMPULSE R90 WITH LI-ION BATTERIES

Sunrise Medical hereby certifies that the Li-Ion batteries used with the Empulse R90 may be carried on a passenger aircraft without restriction according to **IATA 2.3.2.4**.

The batteries used by the Empulse R90 include the:

Standard Battery: 36 Vdc/2.5Ahr/90Whr/0.7kg (1.5 lbs.) Lithium (NMC – Lithium Nickel Manganese Cobalt Oxide)

Extended Battery: 36 Vdc/5.0Ahr/180Whr/1.2kg (2.6 lbs) Lithium (NMC – Lithium Nickel Manganese Cobalt Oxide)

The Empulse R90 batteries have been tested to, and fully comply with, UN Manual of Tests, Part II subsection 38.3) as required by IATA 2.3.2.4.

To comply with the remainder of IATA 2.3.2.4, the Empulse R90 owner shall, prior to stowage on the aircraft:

- Switch the Empulse R90 off.
- Remove the battery from the R90 as instructed by the owner's manual
- Stow the battery in to the passenger cabin
 - Two additional spare standard batteries or one additional spare enhanced battery may also be stowed in the passenger cabin.
- The removed battery and any additional spare batteries must be properly protected from damage during transport by placing them in the Empulse R90 storage bag (or similar)
- Place the Empulse R90, along with the disconnected battery and any spare batteries, in the Empulse R90 storage bag (or similar)
- Inform the pilot-in-command of the location of the stowed batteries
- It is recommended that you contact the carrier to make advanced arrangements prior to departure.

This certificate does not apply to damaged or defective batteries. Please check with the Sunrise Medical website [sunrisemedical.com] for any updates to this certificate.

Mark Greig

VP of R&D Engineering
Sunrise Medical

1/1/2022