



---

## DOCUMENT: QAT02-B

---

### TRANSPORTATION OF YUASA BATTERIES (TYPES NP, NPH, NPC, NPL, RE, REL, UXL, ENDURANCE) BY AIR, SEA OR ROAD

#### 1. AIR TRANSPORT

Under IATA Dangerous Goods Regulations, the subject batteries are classified as:

**"Class 8, Group III UN No. 2800 Batteries, wet, non-spillable, electric storage, special provision A67."**

These batteries are classified as **non-spillable** because they have been shown to meet the requirements of Packing Instruction 806.

Special Provision A67, contained in IATA Dangerous Goods Regulations and the ICAO publication, Technical Instructions for the Safe Transport of Goods by Air and states that:

**"Non-spillable batteries are not subject to these Instructions if, at temperature of 55° C, the electrolyte will not flow from a ruptured or cracked case and there is no free liquid to flow and if, when packaged for transport, the terminals are protected from short circuit."**

These batteries were classified as meeting the A67 requirement after testing by PIRA, who stated that the batteries may be regarded as non-dangerous. Several other independent internationally recognised laboratories are also in agreement that these battery types are non-dangerous.

In meeting the requirements of packaging instruction 806 and Special Provision A67 the subject batteries may be regarded as **non-dangerous**

#### 2. TRANSPORT BY ROAD AND AS SEA FREIGHT

The International Maritime Dangerous Goods (IMDG) code states that to be classified as **non-spillable and non-dangerous**, "The battery must be able to satisfactorily withstand without leakage the vibration and attitude tests described below.....". (Refer to IMDG Code on Batteries, Wet, Non-Spillable Electric, Storage, Class 8, Stowage Category A, UN2800, Special Provision A67). These Yuasa battery types have satisfactorily completed these tests as certified by Giltspur Packaging Ltd. Certificate of Test Serial No RDT3330/45/2, Job No 4000/0775 issued under Ministry of Technology Authority Ref. No 30260. They have also satisfied the requirements of Special Provision A67 as described above

#### 3. PACKAGING - GENERAL

These batteries can be shipped in any quantity by air, road and sea. They are exempt from any special packing requirement other than to ensure that the battery terminals are protected from short circuit. **TREM cards are not required**

The normal packaging provided is suitable in this respect for batteries not secured in equipment. If in equipment, the batteries must be securely fastened in the battery compartment of the equipment.