

IATA – IMDG - ADR Conformity	 YUASA YUASA BATTERY (EUROPE) GmbH	FO-QAT02-B
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TRANSPORTATION OF YUASA BATTERIES BY AIR, SEA AND/OR LAND
Series of VRLA BATTERIES: NP, NPC, NPH, NPL, NPW, RE, REC, REW, SWL, TEV, UXH, UXL, UXF, FXH, ENDURANCE (EN / ENL / FT) , YTZ, GYZ

Under IATA Dangerous Goods Regulations 57th Edition effective 1st January 2016 until 31st December 2016, accordance to IATA-Resolution 618 Annex "A" and in consultation with ICAO the above batteries are classified as:

Valve Regulated Lead-Acid (VRLA) Battery

Battery, wet, non-Spillable electric storage

Substance classification: UN 2800

"Class 8, Group III , no limit, special provision A48, A67, A164 and A183."

These batteries are classified as non-Spillable because they have been shown to meet the requirements of the above IATA-Regulations as stated in Packing Instruction Chapter 4.4 on page 396ff(German version).

This is also according to special directive IMDG 238.2 (International Maritime Dangerous Goods Code) code page 252.

Furthermore this checking apply to IMDG chapter 3.3.1 reference 238.1 and 238.2.

Transport Information

Components		
VRLA Battery	Air Transport	Air Transport (IATA-DGR) <ul style="list-style-type: none"> • UN No: 2800 • Classification: Class 8 • Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage • <u>Special Provision A48</u>: Packing Test are not considered necessary • <u>Special Provision A67</u>: Yuasa's VRLA batteries meet the requirements of Packing Instruction 872. <p>The battery has been prepared for transport so as to prevent:</p> <ol style="list-style-type: none"> a) A short-circuit of the battery's terminals by packing in a strong and sturdy carton box; AND/OR b) The battery has been fitted with an insulating cover (made from ABS) which prevents contact with the terminals. c) Unintentional activation is thus prevented <p>The words "NOT RESTRICTED" and the special Provision (SP) number must be indicated on all shipping documents</p> <ul style="list-style-type: none"> • <u>Special Provision A164</u>: The battery has been prepared for transport so as prevent: <ol style="list-style-type: none"> a) Short-circuit of the battery's terminals by packing in a strong and sturdy carton box; AND/OR b) The battery has been fitted with cover (made from ABS) which prevents contact with the terminals c) Unintentional activation is thus prevented

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	Land Transport	Land Transport (ADR / RID) <ul style="list-style-type: none"> • UN No: UN2800 • Classification ADR / RID: Class 8 • Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage • Packing Group ADR: not assigned • Tunnel code: E • ADR / RID: New and spent (used) batteries are exempt from all ADR / RID (special provision 598)
	Sea Transport	Sea transport (IMDG Code) <ul style="list-style-type: none"> • UN No: UN2800 • Classification: class 8 • Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage • EmS: F-A, S-B Non-spillable batteries meet the requirements of Special Provision 238; they are therefore exempt from all IMDG codes and are not regulated for sea transport.
	All methods of transport	<p>Do not place VRLA batteries inside sealed enclosures.</p> VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approx. 4% to 76%. This can be ignited by a spark at any voltage, naked flames or other sources of ignition.

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