

PRODUCT SHEET

valid from:21/07/2025

IDENTIFICATION OF THE BATTERY FOR MEDICAL DEVICE

Type	Rechargeable battery
Commercial designation	Batterie eclairage secours 2x D HT 2S1P ST1 2.4V 4Ah
Reference	MXN0085
EAN	3660766619778
Brand	NX
Compatible / Original battery	Compatible
Packaging	Unitary
Refurbishable	yes



RECOMMENDED USAGE

Follow the instructions and recommendations specific to each model, using the technical instructions and document resources from the devices in which the battery is used

Brands	Equipment	Models	PN
Etap	Emergency lighting battery	VK8S41	BAES ETAP VK8S41

IDENTIFICATION	GENERAL TECHNICAL CHARACTERISTICS	Chemistry	NICD
		Type	D hT ST1
		IEC designation	2 KRLU 34/63
		Rated voltage	2,4 V
		Nominal capacity	4 Ah
		Internal resistance Ω	30 mΩ
	Performance	Warranty	24 months
		Cycle lifespan	Up to 501 Cycles*
Shelf lifespan		Up to 4 years**	

\*Value valid at 0.5C, 80% depth of discharge (DOD), 20°C; \*\*Value valid at 20 °C under optimal storage conditions.

The voltage and the actual capacity in use can be affected by several factors, especially the temperature, the discharge current, the pack's history (ex:use, storage), etc

ELECTRICAL CHARACTERISTICS	CHARGE	Maximum charging voltage	3,1 V
		Standard charging current	420 mA
		Fast charging current	250 mA
	DISCHARGE	Range of operating voltage	2 V to 2,8 V
		Min tension in discharge	2 V
		Max discharge current	800 Ma
	CONTROL ELECTRONICS	Electrical protection	No
		Low voltage detection threshold	No
		Over voltage detection threshold	No
		Over current detection threshold	No








These devices not only designed to protect the pack in case of an equipment failure. They must not be used to control the discharge. The protection circuits have a response time of a few milliseconds.

MECHANICAL CHARACTERISTICS	Dimensions (+/- 2mm)	Length	64.90 mm
		Width	59.90 mm
		Depth	32.45 mm
	Weight (+/- 5g)	225 Gr.	
	Mechanical protection	N/A	
	Wire length (+/- 10mm)	N/A	
Terminal	LANGUETTE FASTON 4.8 x 0.5 x 35mm		

CONDITIONS OF USE, STORAGE, AND TRANSPORT	CONDITIONS OF USE	Charging temperature	0°C to +55 °C
		Discharge temperature	0°C to +55 °C
	CONDITIONS OF STORAGE	Storage temperature	-20°C to +30°C
		Humidity range	65 ± 5 %
		Recharge interval	Up to 6 months*
	TRANSPORT	UN code	UN 2800
		ADR/RID classification	Not regulated
		IMDG classification	Exempt
		IATA classification	Not regulated
		Power capacity	9,6 Wh

\* Value valid at 20°C

<b>INSTRUCTIONS</b>	<b>COMMISSIONING</b>	<ul style="list-style-type: none"> <li>• Check the batteries and the connectors: wires not damaged, battery not swollen, burnt smell, oxidation of the connectors, leak...</li> <li>• Respect the polarity</li> <li>• Do a full charge with the adequate charger before the first use</li> </ul>
	<b>CHARGE</b>	<ul style="list-style-type: none"> <li>• Use an adequate charger</li> <li>• The battery is warmer during the charge: during the first charge, check that the battery's temperature stays in the temperature operating ranges.</li> <li>• In case of an abnormal heating, stop the charge by unplugging the charger within the realms of possibility, remove the battery from the equipment de l'équipement, have the equipment, the battery and the charger checked by a technician.</li> </ul>
	<b>CASE OF NON-WATERPROOF BATTERIES</b>	<ul style="list-style-type: none"> <li>• It is normal to observe a release of gas during the charge and use. Do not smoke. Place in suitable premises.</li> <li>• Open batteries need regular maintenance carried out by a qualified technician.</li> </ul>
	<b>CASE OF LITHIUM ION BATTERIES</b>	There is a fire hazard with lithium ion batteries in the following cases: overload, short circuit, charge and use outside the voltage and temperature ranges.
	<b>WARNINGS</b>	<ul style="list-style-type: none"> <li>• Read the instructions of your device.</li> <li>• Only use in compatible devices.</li> <li>• Respect the load and storage conditions.</li> <li>• Do not use if the battery is damaged, do not burn, do not pierce, do not dismantle or modify. The protection circuits protect the battery and the equipment: do not deactivate them.</li> </ul>

<b>EXPLANATION OF SYMBOLS</b>	<b>LABELLING</b>	
		Catalogue reference
		Lot number
		Manufacturer's address
		To recycle in a suitable salvage and recycling structure
		Read the product sheet and the instruction manual
		Production date
		Compliant with EU regulation 2023/1542