PRODUCT SHEET			Valid from 22/04/2021
IDENTIFICATION OF THE MEDICAL DEVICE	**Type**	Rechargeable battery	
	Commercial designation	Reconditionnement médical LAERDAL SimMan 2x 14.8V 4.4Ah	
	Reference	MGL00662RE	
	EAN	3660766622044	
	Brand	NX	
	Compatible / Original battery	Compatible	
	Packaging	Unitary	

RECOMMENDED USAGE

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

Brands	Equipment	Models	PN
Laerdal		SimMan Essential / SimMan 3G / SimMan 3G Trauma	21212250 / UR18650F-F42PC

Identification	**GENERAL TECHNICAL CHARACTERISTICS**	**Chemistry**	Li-Ion
		Type	18650
		IEC designation	4 INR19/66-2
		Rated voltage	14,8V
		Nominal capacity	4,4Ah
		Internal resistance Ω	140mΩ

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**	16,8V
		Standard charging current	2150mA
		Fast charging current	4300mA
	DISCHARGE	**Range of operating voltage**	11V at 16,8V
		Min tension in discharge	11V
		Max discharge current	20A
		Lifespan 80% DOD (0,5 C)	500Cycles
	MAINTENANCE	**Frequency of maintenance charges at 20°C**	6Months
	CONTROL ELECTRONICS	**Electrical protection**	Yes
		Low voltage power cut	Yes
		High voltage power cut	Yes
		Max power cut voltage	Yes

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**	0,077m
		Width	0,039m
		Depth	0,07m
	Weight (+/- 5g)	0,72 Gr	
	Mechanical protection	Refurbishment	
	Wire length (+/- 10mm)	Refurbishment	
	Terminal	Refurbishment	

CONDITIONS OF USE, STORAGE, AND TRANSPORT	**CONDITIONS OF USE**	**Charging temperature**	-10 at 50°C
		Discharge temperature	-20 at 70°C
	CONDITIONS OF STORAGE	**Storage temperature**	-20 at 45°C
		Level of humidity	65,00 %
		Max storage time	2Years
	TRANSPORT	**UN code**	3480
		ADR/RID classification	Class 9
		IMDG classification	Class 9
		IATA classification	Class 9

INSTRUCTIONS	**COMMISSIONING**	• Check the batteries and the connectors: wires not damaged, battery not swollen, burnt smell, oxidation of the connectors, leak... • Respect the polarity • Do a full charge with the adequate charger before the first use
	CHARGE	• Use an adequate charger • The battery is warmer during the charge: during the first charge, check that the battery's temperature stays in the temperature operating ranges. • 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.
	CASE OF NON-WATERPROOF BATTERIES	• It is normal to observe a release of gas during the charge and use. Do not smoke. Place in suitable premises. • Open batteries need regular maintenance carriet out by a qualified technician.
	CASE OF LITHIUM ION BATTERIES	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.
	WARNINGS	• Read the instructions of your device. • Only use in compatible devices. • Respect the load and storage conditions. • 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.

EXPLANATION OF SYMBOLS	LABELLING REF	Catalogue reference
	LOT	Lot number
		manufaturer's address
		To recycle in a suitable salvage and recycling structure
		Read the product sheet and the instruction manual