



HeartSave Y | YA

Defibrillation

Impulse shape	Biphasic truncated exponential (BTE) waveform, auto-compensation according to patient impedance
Energy	10 – 360 J according to patient impedance, individually configurable
Analysis to shock readiness	5 s (depends on the energy level)
Start of the device to shock	approx. 14 sec. to 200J
Asystole threshold	< 100 μ V
Child mode	Child button

ECG

Derivation	II
Patient impedance	25 – 175 Ω
Heart rate	30 – 300 per min

Defibrillation electrodes

Shelf life	up to 36 months
Cable length	1,30 \pm 0,06m
Active electrodes area	105 \pm 10cm ²

Data management

Internal memory	3GB
Data recording	ECG wave 10 hours, event recording 2000, CPR data 10 hours, self test report 3650
Data export	with USB stick

Power supply

Battery	NRL01C
Battery-Type	LiMnO ₂
Voltage	12 V
Capacity (nominal)	4.2 Ah
Shelf life	up to 5 years after installation
Discharges / Shocks	230@200J or 150@360J

Environmental conditions

Operating conditions	0°C - 55°C (30 - 95% rel. humidity without condensation, 700 hPa - 1060 hPa) (The device can operate for at least 20 minutes from ambient temperature to -20°C)
Storage conditions	0°C - 50°C (5 - 95% rel. humidity without condensation, 570 hPa - 1062 hPa)
Transportation conditions	0°C - 50°C (5 - 95% rel. humidity without condensation, 570 hPa - 1062 hPa)

Resuscitation guidelines

ERC	ERC-2021
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Protection class

IP	55
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Dimensions

Height x Width x Depth	29.6 cm x 22.0 cm x 9.7 cm
Weight without power supply	approx. 2.2 kg
Weight with power supply	approx. 2.5 kg

Scope of delivery: 1 HeartSave Y or YA, 1 battery, 1 pair of electrodes, 1 resuscitation-kit, 1 instructions for use

The service life of the HeartSave Y | YA battery is normally up to 5 years, provided that the following conditions are met: The battery is inserted into the device, the device is only ever in standby mode and is not used, just the regular self-tests recommended by Metrax are carried out, and the ambient temperature is consistently 20 degrees Celsius (\pm 5 degrees Celsius). Storing the device outdoors significantly reduces the service life of the battery.

Since a wide variety of factors can influence the service life of the battery, Metrax accepts no liability for the service life of the battery.