Technical data

HeartSave myPAD

Defibrillation		
Impulse shape	Biphasic truncated exponential (BTE) waveform, auto-compensation according to patient impedance	
Energy	150J - 170J - 200J (adult mode, automatically escalating), 50 J (child mode)	
Analysis to shock readiness	8s to 150J; 12s to 200J (battery 3C)	5s to 150J; 8s to 200J (battery 3G)
Start of the device to shock	17s to 150; 22s to 200J (battery 3C)	13s to 150J; 16s to 200J (battery 3G)
Asystole threshold	< 100 µV	
Child mode	Child button	

ECG	
Derivation	II
Patient impedance	25 - 200 Ω
Heart rate	30 - 300 per min

Defibrillation electrodes	
Shelf life	60 months
Cable length	1.40 ± 0.2 m
Active electrodes area	86 ± 10 cm²
Max. number of shocks	50 shocks
Trade name and model	SavePads PLUS C: OBS-DE/P 303A1206 (without CPR feedback sensor)
	SavePads PLUS CS: OBS-DE/P 303A1207(with CPR feedback sensor)
CPR feedback sensor	Preconnected via cable (for electrodes with CPR feedback sensor only)

User guidance	
Type	Dynamic workflow, automatically adapting to user‘s pace
Acoustic guidance	Voice prompts, adaptive volume control
Visual guidance	Icons with LED (670, 670A) Animated graphics (675, 675A, 678, 678A)
Languages	Up to 6, selectable by user via button (670, 670A, 675, 675A) or softkey (678, 678A)

Data management	
Internal memory	8GB
Data recording	ECG wave & CPR data: 160 hours, event recording: 10.000 events, self test report: min 3.650
Data export	With USB stick

Power supply, non-rechargeable	
Battery	Battery 3C
Battery-Type	LiMnO2
Voltage	12 V
Capacity (nominal)	2.8 Ah
Shelf life	60 months
Discharges / Shocks	130@200J

Power supply, rechargeable	
Battery	Battery 3G
Battery-Type	Li-ion
Voltage	14.4 V
Capacity (nominal)	2.95 Ah
Shelf life	144 months
Discharges / Shocks	230@200J

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

The service life of the HeartSave Y I YA battery is normally up to 5 years, ex works 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, j ust the regular self-tests recommended by Metrax are carried out, and the ambient temperature is consistently 20 degrees Celsius (± 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.

Date: 18.06.2025, subject to changes and errors.

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HeartSave myPAD

Display	
Type	No display, graphical instructions with LED (only for 670, 670A)
Type	Colour LCD display (only for 675, 675A)
Type	Touch LCD display (only for 678, 678A)
Display size	4.3" / 10.92 cm, 800 x 480 pixel
Display content	Operation guiding, CPR animation, CPR quality, residual battery, intervention time, ECG waveform
Brightness	Automatic brightness adjustment based on environment condition
ECG waveform animation	1-Channel

CPR feedback system	
Compression frequency	Range: 100 - 120 cpm, accuracy of compression frequency: ±3 cpm
Compression depth	Range: 50 - 60 mm, accuracy of compression depth: ±5 mm or ±10%, whichever is larger

IoT	
Remote device management	LTE, Wifi, LTE & Wifi (optional)

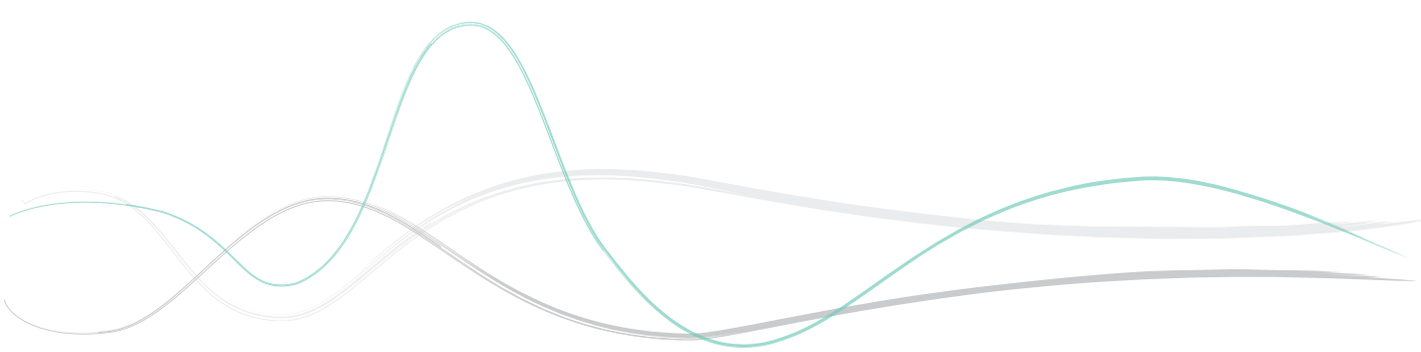
Environmental conditions	
Operating conditions	0°C - 55°C; 0 - 95% rel. humidity without condensation; 540 hPa - 1060 hPa (The device can operate for at least 20 minutes from ambient temperature to -20°C)
Storage conditions	-5°C - 55°C; 0 - 95% rel. humidity without condensation; 540 hPa - 1062 hPa
Transportation conditions (10 days)	-30°C - 70°C; 0 - 95% rel. humidity without condensation; 510 hPa - 1062 hPa

Resuscitation guidelines	
ERC	ERC-2021

Protection class	
IP	66 (with inserted and fixed battery and connected electrodes)

Drop test	
Height	1.6 m (on all sides, corners, edges)

Dimensions	for 670, 670A	for 675, 678, 675A, 678A
Height x Width x Depth	151 mm x 151 mm x 73 mm (±2 mm)	151 mm x 151 mm x 76 mm (±2 mm)
Weight (device + battery)	approx. 1.0 kg (±0.2 kg)	approx. 1.1 kg (±0.2 kg)



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