

1.8 TECHNICAL DATA

This section lists the AED and some Accessories parameters.

| | SAVER ONE | | SAVER ONE D | SAVER ONE P |
|---|---|------------------------|----------------------------|--|
| | SVO-B0001 SVO-B0002 | SVO-B0847 SVO-B0848 | SVD-B0004 SVD-B0005 | SVP-B0006 SVP-B0007 |
| DEVICE | | | | |
| Size (W x D x H) | 26,5 x 21,5 x 7,5 cm | | | |
| Weight w/disposable battery | 1,95 kg | | 2,30 kg | |
| Weight w/rechargeable battery | 2,10 kg | | 2,45 kg | |
| Battery Option | <ul style="list-style-type: none"> ➤ Li-SOCl₂ Non-Rechargeable Battery (SAV-C0903) ➤ Li-Ion Rechargeable Battery (SAV-C0011) | | | |
| Device Classification | Class IIb according to Directive 2007/47/EC | | | |
| Defibrillation Pads | Adult (SAV-C0846) and Pediatric (SAV-C0016) | | | |
| Recording | 1Gbit (128 MB) Internal Memory and Removable SD Memory Cards | | | |
| Data Transfer | 2.0 mini USB (USB/Mini USB) and IrDA Port (option) | | | |
| ENVIRONMENT | | | | |
| Operating Temperature | 0°to +55° C | | | |
| Storage Temperature | -35°to +65° C | | | |
| Humidity | 0 to 95% relative humidity non-condensing | | | |
| Shock / Drop resistance | Conform to EN 60601-1 Clause 21 | | | |
| Dustproof/Waterproof Protection | Class IP54 according to IEC 60529 | | | |
| Electrostatic Shocks | Conform to the EN 61000-4-2, security level 4 | | | |
| Electromagnetic Interference (Radiation) | Conform to EN 60601-1-2, method EN 55011, group 1 level B | | | |
| Electromagnetic Interference (Protection) | Conform to EN 60601-1-2, method EN 61000-4-3, level 2 | | | |
| DEFIBRILLATOR | | | | |
| Waveform | Adaptive BTE (Biphasic Truncated Exponential) | | | |
| Patient Safety | All patient connections are electrically completely isolated | | | |
| Operation | Semi-Automatic | Fully-Automatic | Semi-Automatic | <ul style="list-style-type: none"> ➤ Semi-Automatic ➤ Manual |
| Energy Type | Escalating from 50 to 360J | | | |
| Energy Selection | Automated (pre-programmed) | | | <ul style="list-style-type: none"> ➤ Automated ➤ Manual |
| Automated Adult Shock Sequence | Standard Version: | | 150, 200, 200J (50 Ω load) | |
| | Power Version: | | 200, 250, 360J (50 Ω load) | |
| Automated Child Shock Sequence | Standard/Power Version: 50J fixed (using pediatric pads SAV-C0016) | | | |
| Manual Shock Sequence | --- | | | From 50J to 360J (50 at time) |
| Accuracy | ± 15% | | | |
| Charging Time (from Shock notice) IEC60601-2-4 §6.8.2 (7a) | <ul style="list-style-type: none"> ≤ 9 seconds (Standard Version) with new and fully charged battery ≤ 15 seconds (Power Version) with new and fully charged battery | | | |
| Charging Time (from Start of Analysis) IEC60601-2-4 §6.8.2 (8a) | <ul style="list-style-type: none"> ≤ 15 seconds (Standard Version) with new and fully charged battery ≤ 21 seconds (Power Version) with new and fully charged battery | | | |

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| DEFIBRILLATOR (continued) | | | | |
| Defibrillator Disarm | <ul style="list-style-type: none"> ➤ Heart rhythm changed in a non-shockable one, or ➤ Shock button non pressed within 18 seconds (except Fully Automatic), or ➤ ON/OFF button pressed, or ➤ Pads disconnected. or ➤ Battery removed | | | |
| Patient Isolation | BF Type | | | |
| Automatic Self-Test | <ul style="list-style-type: none"> ➤ Each time the device is turned on, and ➤ Daily / Monthly / 6 Months, and ➤ Each time a battery (new or replaced) is attached to device | | | |
| CPR | Instructions and audio cues with a metronome for the appropriate number and rate of chest compressions (100 per minute) | | | |
| Electrode Patient Impedance Measurement Range | 20 to 200 ohms | | | |
| Defibrillator Electrode ECG Circuitry | Protected | | | |
| Algorithm | Arrhythmia detector that evaluates chest's impedance and determines if shock is required | | | |
| Shockable Rhythms | Ventricular Fibrillation (VF) and wide complex Ventricular Tachycardia (VT) | | | |
| Sensitivity | 97% as per EN 60602-2-4 (AHADB, MITDB source) | | | |
| Specificity | 99% as per EN 60602-2-4 (AHADB, MITDB source) | | | |
| BATTERY | | | | |
| Non-Rechargeable Battery | Li-SOCl ₂ (Lithium-thionyl chloride) to lose, non-refillable (SAV-C0903) | | | |
| Voltage | 25,2 VDC – 3500 mAh | | | |
| SAV-C0903 Capacity (typical new battery at 20° C) | Standby life (installed to the device) 5 years, or | | | |
| | 300 rescue cycles (shocks at 200J and CPR) or 200 rescue cycles (shocks at 360J and CPR) or 35 hours ECG Monitoring | 250 rescue cycles (shocks at 200J and CPR) or 160 rescue cycles (shocks at 360J and CPR) or 24 hours ECG Monitoring | | |
| Rechargeable Battery | Li-Ion (ion battery) Rechargeable (SAV-C0011) | | | |
| Voltage | 21,6 VDC - 2100 mAh | | | |
| Shelf-Life | 2.5 years or 300 charge/shock cycles (<i>whichever occurs first</i>) | | | |
| Charging Time | ≤ 2,5 hours (only with SAV-C0014 charging station) | | | |
| SAV-C0011 Capacity (typical new battery at 20° C) | 250 shocks at 200J or 150 shocks at 360J or 21 hours in ECG Monitoring | 200 shocks at 200J or 110 shocks at 360J or 14 hours in ECG Monitoring | | |
| | Shelf-Life: 2,5 years or 300 charging cycles | | | |

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| | SVO-B0001 SVO-B0002 | SVO-B0847 SVO-B0848 | SVD-B0004 SVD-B0005 |
| CHARGER | | | |
| Model | CBACCS1 (SAV-C0012) | | |
| Inlet | 12 VDC – 5A | | |
| Outlet | 26VDC – 1,5A | | |
| Absorption | 40W | | |
| AC/DC ADAPTER FOR CBACCS1 | | | |
| Model | Meanwell P66A-3P2J (SAV-C0013) | | |
| Inlet | 100-240VAC – 50/60Hz – 1.5A | | |
| Outlet | 12V – 5.5° | | |
| Absorption | 66W | | |
| DEFIBRILLATION PADS | | | |
| Type | Disposable, Self-Adhesive and Pre-Gelled | | |
| Tolerance to Shocks | 50 shocks at 360J | | |
| Support Material | Medical FOAM. Thickness 1mm | | |
| Conductive Gel | Low impedance conductive adhesive gel | | |
| Conductive Material | Metal Sheet | | |
| Connector Type | Anti-shock safety connector | | |
| Cable Length | 120cm | | |
| Adult Pads | Pre-Connected (SAV-C0846) | | |
| Indication for Use | Adult aged >8 years or weighing >25Kg | | |
| Total Area (per pad) | 148cm ² | | |
| Active Area (per pad) | 81cm ² | | |
| Pediatric Pads | Standard (SAV-C0016) | | |
| Indication for Use | Children aged 1-8 years or weighing <25Kg | | |
| Total Area (per pad) | 75cm ² | | |
| Active Area (per pad) | 31cm ² | | |