

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		