cor science

COR.BEAT

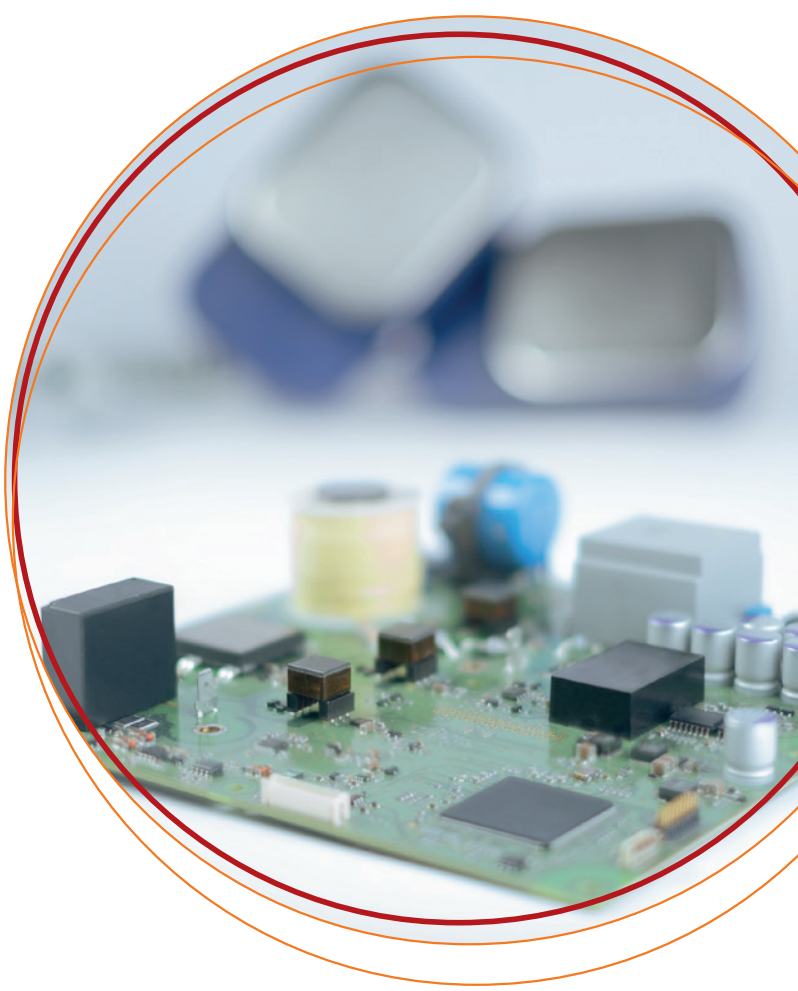
Shock 360

High-performance defibrillation

Realize professional and automated external defibrillators with our high-performance OEM defibrillation board Shock 360. With its low charging time and high energy, Shock 360 is perfect for use in high performance defibrillators. It only needs power, a communication interface (UART), an HV capacitor and a few digital in- and output (GPIO) signals. All defibrillation technology features our proven ECG algorithms.

FEATURES

- Energy or charge triggered impulse
- Shock energy up to 360 Joule
- Charging time under 5 seconds (depending on configuration)
- Additional pacer module under development
- Numerous analyses available for internal and external ECG signals



YOUR BENEFITS

- Easy and fast integration
- Small footprint
- Short charging time even with high energy
- Ready for approval process according to latest international regulation
- Flexible license models available (depending on region)
- 20 years of expertise in defibrillation

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BETTER HEALTH.

TECHNICAL INFORMATION

Defibrillation energy:	0.5 J to 360 J (max. energy depending on HV capacitor)
Charging time:	< 5 s to 360 J (depending on configuration)
Communication interface:	UART
Patient leakage currents:	Type CF applied parts
Voltage supply:	11 V to 21 V
Input current:	max. 10 A
Operating temperature:	-20 °C to +70 °C
Humidity level:	< 95 %, non-condensing
Air pressure level:	540 hPa to 1100 hPa
Size of board:	170 mm x 170 mm x 40 mm (LxWxH)
Weight:	< 500 g

AVAILABLE ANALYSES

Heart rate measurements (0 to 330 bpm)
VF / VT detection
Asystole detection
Patient detection
QRS marker
Impedance measurements

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ABOUT CORSCIENCE

Corscience GmbH & Co. KG is the one-stop shop and engineering specialist for medical technology, especially in the field of electrostimulation and defibrillation. We develop OEM modules and products which help people and save lives.