Device Specifications - Model Name: CU-SP1

Physical

Category	Nominal Specifications
Dimensions	260mm x 256mm x 69.5mm (Width x Length x Height)
Weight	2.4kg (Including the battery pack and pads)

Environmental

Category	Nominal Specifications
Operational Status	(The device is in emergency use)
	Temperature: 0°C ~ 43°C (32°F ~ 109°F)
	Humidity: 5% ~ 95% (non condensing)
Standby Status	(The device is stored together with the defibrillator pads and the battery pack is inserted — ready to be used in an emergency)
	Temperature: 0°C~ 43°C (32°F ~ 109°F)
	Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 15,000 feet (operational and storage)
Drop Withstands	1.2-meter drop to any edge, corner, or surface
Vibration	Operating: Meets MIL-STD-810G Fig.514.6E-1, random Standby: Meets MIL-STD-810G Fig.514.6E-2, swept sine (helicopter)
Sealing	IEC 60529: IP55
ESD	Meets IEC 61000-4-2:2001
EMI (Radiated)	Meets IEC 60601-1-2 limits, method EN 55011:2007 +A2:2007, Group 1, Class B
EMI (Immunity)	Meets IEC 60601-1-2 limits, method EN 61000-4-3:2006 +A1:2008 Level 3 (10V/m 80MHz to 2500MHz)

Defibrillator

Category	Nominal Specifications
Operating Mode	Fully-automatic or Semi-automated
Waveform	e-cube biphasic (Truncated exponential type)
Output Energy	150 J at 50 Ω load for adults 50 J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Energy Storage	10 seconds, typical. Using new disposable LiMnO2 battery pack (at 20°C)
Charging Time	11 seconds, typical. Using new disposable LiMnO2 battery pack, depleted by 15 discharges at 200 Joules per discharge (at 20°C)
Time from CPR to Shock	Less than 6 seconds from the completion of CPR to shock delivery
Discharge	The device performs a self-discharge in the following events: • When the patient's ECG changes to a rhythm that does not require defibrillation. • When the device is turned off by pressing the Power Button for at least a second. • When the pad is detached from the patient's body or the pad connector is detached from the device. • When the impedance of the patient is out of the range of defibrillation (25 Ω ~ 175 Ω) • (Semi-automatic only) When the shock button is not pressed within 15 seconds from the completion of the charge
Fully-Automatic Shock	Shock is automatically delivered if a shockable rhythm is detected