



DF- 22S



DF- 22

Features

- Biphasic technology both for DEFIB & AED mode.
- Can be easily and quickly expended to meet the different clinical requirement.
- More accurate and reliable.
- Compact design and easy to carry.
- Easy to move and place.
- Monitor design a wide range of selected energy 1- 360 J.



Features

- **Faster Charging Time:** 5 Seconds to charge to 200J and 7s to charge to 360J.
- **Faster Operation Speed:** Focuses on 3 steps Select energy, press the charge button to charge the Shock button to deliver therapy.
- **Faster Reaction:** Large electrode pad and small electrode pads can be divided within 1 second both adults and children can be defibrillated.
- **Stronger Impedance Range:** Wider impedance range and an automatic impedance compensation.
- **Stronger BTE Technology:** Biphasic waveforms are safe and have equivalent or higher efficiency for termination of VF when compared with monophasic waveforms.

Characteristic:

Screen Size : 7" TFT Screen
 Weight : 4.5kg (Including battery)

Charge Storage:

Alarm Event : 200 groups
 Patient profiles : 100 groups
 Patient Events : 1000 groups
 Wave Review : 10 min
 NIBP Review : 2000 groups
 Trend Graph : 160 hours



Features

- **Portable and compact:** Based on lightweight the DF 22 also provides a portable design that meets clinical needs, such as handles and bedside hooks
- **Stronger ECG Monitoring:** Supports 3/5/6/12-lead ECG and Glasgow ECG algorithms..
- **Stronger Testing Capability:** Supports three detection methods: power-on self-test, user self-test and machine daily self-test.
- **Stronger Battery Duration:** Support more than 6 hours continuous use in monitoring mode, 210 times 360J discharges in defibrillation mode, and no less than 4.5 hours continuous use in pacing mode.
- **Stronger Power Range:** Designed a wide range of selected energy from 1-360J.

Characteristic:

Screen Size	:	8.4" TFT Screen
Weight	:	7.2kg (Including battery)
Charge Time	:	Less than 5 sec to 200 juls, less than 8 sec to 360 juls.

Data Storage:

Alarm Event	:	200 groups
Patient profiles	:	100 groups
Patient Events:		1000 groups
Wave Review	:	10 min
NIBP Review	:	2000 groups
Trend Graph	:	160 hours
Trend Table	:	160 hours

Operation Environment

Temperature: 0~45
 Humidity:
 Atmosphere Pressure:
 10%~95%, non-condensation
 700hPa~1060hPa
 Ingress Protection: IP44
 Power requirement: 100-240V~, 50/60Hz±3Hz
 Battery type: Rechargeable Lithium-ion battery
 Battery capacity: 7500mAh, d.c.14.8V
 5000mAh, d.c.14.8V
 Battery number: 1
 Battery recharging
 Time: 7500mAh Battery: Less than 2
 hours to 80% and less than 3 hours
 to 100% with equipment power off
 5000mAh Battery: Less than 1.5
 hours to 80% and less than 2.5
 hours to 100% with equipment power off

Battery Backup:

7500mAh Battery
 Monitoring Mode: operate no less than 6 hours
 defib Mode: No less than 210 discharges,
 360J charges is not less than 1 min without recording
 Pacing Mode: no less than 4.5 hours (Load:50
 Ω , frequency: 80bpm, current:
 60mA, without recording)
 5000mAh Battery:
 Monitoring Mode: No less than 4 hours
 Defib Mode: no less then 130 discharge (360J
 charge at intervals is not less than 1 min without recording
 Pacing Mode: No less than 3 hours (Load:50 Ω ,
 frequency: 80bpm, current: 60mA,
 without recording)

Indicator:

Two alarm indicators
 Power indicator
 Battery indicator
 Maintain indicator
 QRS beep and alarm sound
 Operating key sound
 Paddle energy selection

Recorder

Type: Built-in; Thermal array
 Channel: Max 3 channel waveforms
 Real-time recording: 3s, 5s, 8s, 16s, 32s, Continual
 Speed: 6.25mm/s, 12.5mm/s, 25mm/s,
 50mm/s
 Record width: 50mm
 Resolution: 8dot/mm (Horizontal and vertical)
 Background grid: Configurable
 External printer: Yes

Manual Mode:

External defibrillators: 2J~360J, 25 types
 (1/2/3/4/5/6/7/8/9/10/15/20/30/50/
 70/100/120/150/170/200/220/250/270/300
 /360J

Synchronous: Energy transfer begins within 60ms
 of the R wave from internal Syncsignal.

Cardioversion: Energy transfer begins within 25ms
 of the External Sync signal

Noninvasive Pacing

Waveform: Monophasic square wave pulse
 Pulse Width: 20ms or 40ms
 Accuracy: ±5%
 Pacing Mode: On-demand or fixed
 Pacing frequency: 30 ppm to 210 ppm
 Accuracy: ±1ppm or ±1.5% (whichever is greater)
 Pacing current: 0 mA to 200 mA
 Accuracy: ±5% or ±5mA, whichever is greater
 Slow-down pacing: Pacing pulse frequency reduced to
 25% of original value.

ECG: Lead Type: Single lead ECG

Heart Rate
 measurement & alarm
 range: Adult: 15~300bpm
 Pediatric:15~350bpm
 Resolution: 1 bpm
 Accuracy: ±1% or ±1bpm (whichever is
 greater)
 Bandwidth: Defib: 0.5Hz - 40Hz
 CMRR: Defib: >105dB
 Input Impedance: ≥5M Ω
 Input signal range: ±8mV (peak to peak value)
 HR trigger value 200 μ V
 Arrhythmia Analysis: 5 Types, ASY, VF, VT,
 PNC, and PNP

Defibrillation

Operating mode: Manual Mode, AED Mode,
 Synchronous Defibrillation
 Waveform: Biphasic truncated exponential
 waveform, with impedance compensation
 Defibrillation pathway: External defibrillation
 Electrode type: External defibrillation paddles, multifunctional
 electrodeability to select energy through paddles External
 defibrillation electrode paddles:
 Supports charging, discharging and
 energy selection; Charging
 completion indicator
 Charge Time: (Battery power)
 Less than 3 seconds to 200 Joules
 with a new, fully charged battery
 Less than 7 seconds to 360 Joules
 with a new, fully charged battery
 Charge Time: (AC power)
 Less than 4 seconds to 200 Joules;
 Less than 8 seconds to 360 Joules
 Energy accuracy: ±1.5J or ±10% of setting, whichever is greater,
 while 50 Ω impedance
 ±2J or 15% of setting, whichever is
 greater, while 25 Ω , 75 Ω , 100 Ω ,
 25 Ω , 150 Ω , 175 Ω impedance

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