BPL Medical Technologies

Experience the Reliability

SYRINGE PUMP

Acura-S1

Happier Living Everyday

Color Display
High definition 2.8" Color LCD with infusion rate display

In-built Drug Library
The device comes with an in-built drug library

Multiple Infusion Modes
In-built Flow rate, Time/volume, Dosage/Weight Infusion modes

Double CPU
Double CPU ensures safety and reliability of infusion

Bolus Modes
Dual bolus: Automatic and Manual along with Anti-Bolus function

Device Memory
2000 history records and last configuration memory

Automatic Syringe Calibration
Calibrated for all standard syringe brands of 5ml, 10ml, 20ml, 30ml & 50/60ml

Pressure Detection
3 level occlusion sensitivities setting (programmable) with picture representation

Alarms
Audio and visual alarms for alerts

Fixing Clamp
Vertical & Horizontal rotatable fixation clamp

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Product Specifications

Display	2.8 inch Color LCD
Syringes	5ml, 10ml, 20ml, 30ml & 50/60ml.
Infusion Modes	Rate Mode, Time Mode and Drug/Weight Mode
Time/Volume Mode	Volume: 9999.9ml, Time: 99:59:59
Drug/weight Mode	Body weight: 0.1-300 kg, Drug Amount 0.01ug-999g Solution Volume 0.1-999.9 ml Dose: 0.01-99.99 (subject to the unit)
Flow Rate Range	5ml : 0.1ml/h-150ml/h; 10ml : 0.1ml/h-300ml/h; 20ml : 0.1ml/h-600ml/h; 30ml : 0.1ml/h-900ml/h; 50ml/60 ml : 0.1ml/h-1200ml/h
Flow Rate Step	0.1ml/h
Flow Rate Accuracy	within ±2%
Volume Limit	0.1-9999.9 ml
BOLUS Rate	5ml : 10ml/h-150ml/h; 10ml : 10ml/h-300ml/h; 20ml : 10ml/h-600ml/h; 30ml : 10ml/h-900ml/h; 50ml/60ml : 10ml/h-1200ml/h
BOLUS Accuracy	≤±2% (after calibration)
Purge Rate	5ml : 150ml/h; 10ml : 300ml/h; 20ml : 600ml/h; 30ml : 900ml/h; 50ml/60ml : 1200ml/h
KVO	0.1-5ml/h (after injection)
Occlusion Level	3 -level sensitivities setting
Audio & Visual Alarm	Clamp Err, Putter Err, Finished KVO, Near Empty, EMPTY, Occlusion, Low Battery, Power OFF etc.
Power Supply	100V-240V AC, 50Hz/60Hz
Battery Type	Internal rechargeable Ni-MH DC12V 2000mAh
Battery Backup	8 hours at 5ml/hr after fully recharged
Classification	Class I, CF, IPX2
Dimensions	305mm(L) X 130mm(B) X 108mm(H) (handgrip and clamp excluded)
Weight	1.9Kg Approx.
Operational Conditions	Temperature: +5˚C - +40˚C Relative Humidity ≤80% Atmospheric Pressure 70KPa - 106Kpa
Storage & Transportation Conditions	Temperature: -22˚C - +55˚C Relative Humidity : 10% - 90% Atmospheric Pressure 70KPa - 106Kpa

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CERTIFIED ISO 13485 : 2016 COMPANY

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ORIGINAL
ALWAYS USE GENUINE BPL CONSUMABLES AND ACCESSORIES FOR BETTER PERFORMANCE

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BPL M RAD™ 3.6

BPL Medical Technologies

Powered By:

GenX 3·6R

Ultra High Frequency Generator

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The Smart solution in **Mobile X-Ray Imaging**

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PROMISE

A BPL Medical Technologies Magazine

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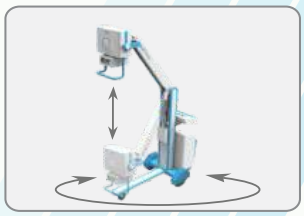
BPL M-RAD™ 3.6

The Smart solution in Mobile X-Ray Imaging

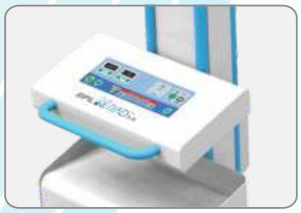
BPL M-Rad 3.6 is an Ultra High Frequency Mobile X-Ray solution that combines unique design & superior imaging quality at low dose and is ideal for patient wards, intensive care, operating room etc., where transporting the patient to the radiology department is difficult

- Compact & Light weight Design
- 110 kHz Ultra High Frequency Generator
- 3.5 kW Generator Output
- Smaller Focal Spot (1.5 mm²) for superior image quality
- Concealed Cables for hassle-free use
- Error indicator to minimize downtime

Compact & Light weight design for easy maneuverability



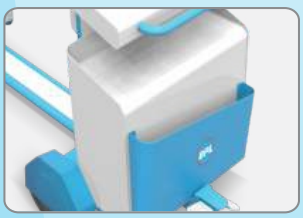
Easy Touch Counterbalanced arm & Flexible to Use



User friendly Control Panel for kV & mAs selection

Adjustable Collimator with high luminescence lamp for easier & faster positioning

Durable Wheels & Efficient Foot Brake are located at the bottom

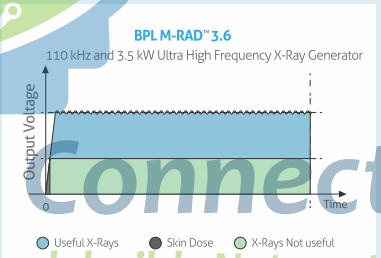


Storage space for Accessories, Notepads etc.

The BPL M-Rad 3.6 advantage

BPL M-Rad 3.6 is equipped with constant potential Ultra High Frequency generator in which X-ray is produced at its "surge" stage so that many more x-rays are produced at higher average energies. Hence, BPL M-Rad 3.6 produces low scatter radiation and the exposure times are shorter which results in:

- **Superior Image quality**
- **Reduced Dose to Patient & Technician**
- **Low Power consumption costs to the Hospital**
- **Improved X-Ray Tube life**



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Approved by

AERB

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Experience the Effectiveness

MONOPHASIC DEFIBRILLATOR

DF 2509/R

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LCD Display with Backlight
5.7" Monochrome LCD display with backlight delivers crisp and accurate readings with better contrast and brightness

Charging Time
Takes less than 5 seconds to charge to 360J with a fully charged new battery

Event Recording
Stores and prints pre & post event data up to 24 events

Thermal Printing
Allows the printing of saved events using a high-resolution thermal printer

Visual and Audible Charge Indicator
It provides visual and audible high voltage charge done indication

Enhanced Battery Usage
It delivers more than 100 shocks of 360J with fully charged new battery

Optional
DF 2509 R comes with printer

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Saving lives through enhanced technology with improved safety and effectiveness

Product Specifications

Technical Specification	
Power Supply	100-240 V AC; 50/60 Hz
Power Consumption	<100VA
Battery Type	Rechargeable Sealed Lead Acid battery
Battery Capacity	12V, 4.5AH; 100 discharges of 360 joules or 7 hrs of monitoring with fully charged new battery
Dimensions	260 (W) X 280 (D) X 250 (H) mm
Weight	10.5 kgs (with battery & paddle)
Environment	Operating temparature: 0° C to 40° C Relative humidity: 15 to 95% RH non condensing
Defibrillator	
Waveform	5 milliseconds Monophasic Lown pulse
Energy Select with External Paddles	2-360J in steps of 2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360
Energy Select with Internal Paddles	2-50J in steps of 2, 3, 5, 7, 10, 20, 30, 50
Charge Time	< 5 secs to 360 J with battery (fully charged new battery) < 15 secs to 360 J without battery (AC mains only)
Charge Indicator	Charge ready LED on the Front Panel & audible tone Charge ready LED on Apex Paddle
Available & Delivered Energy	Displayed on the screen
Synchronization	Defibrillation synchronized to the R wave Marker indication on ECG waveform
Sync Mode Indication	Message on monitor screen and LED indication on front panel
Paddles	Integrated adult and paediatric paddles

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Product Specifications

Monitor	
Display	5.7 inch STN LCD Display
ECG Input Modes	ECG input through paddles or 3 Lead Patient cable (Lead I,II and III)
Leads Off Message	On Screen Message with alert tone
CMRR	> 90 dB @ 50 Hz
Input Impedance	> 2.5M Ohm
Frequency Response	0.5 to 35 Hz
Sweep Speed	25 ± 1 mm/Sec
Display Time	5 secs.
HR Display & Accuracy	10-300 bpm ±2 Bpm or ±2%, whichever is higher
1mV Cal Signal	Vertical bar indication (varies with gain)
ECG Out	1V/mV(depends on gain setting)
Defibrillator Protection	Available

Printer (Optional)	
Recording Type	Thermal Array recording
Paper Size	50 mm X 20 mts; Print width; 40 mm
Paper Speed	25 ± 1 mm/Sec
Recorder Mode	Configurable to print either realtime or 6 seconds delayed ECG
Event Recording	Stores and prints 3 seconds of pre critical data and 7 seconds post critical event data up to 24 events.
Print Annotates	Time, Date, HR, HR limits, Event marker, ECG input source, ECG gain, Defibrillator mode, Selected and Delivered energy, Patient Impedance, Peak current and Hospital name.

Standard Accessories	
Defibrillator Paddles (Adult & Paediatric)	1 no.
Disposable Electodes	30 nos.
Patient Cable (3 Lead)	1 no.
Mains Cable (Power Cord)	1 no.
Cardijelly	1 bottle
Earth Cable	1 no.
Accessory Bag	1 no.
User Manual	1 no.
Recording Paper	1 roll - 20 mtrs. (Applicable for DF 2509 R only)

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✓ Basic General Equipments for GP

Pulse Oximeter

BP Monitor

Oxygen Concentrators

Patient Monitors

ECG Machine

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✓ Specialized Equipments :Orthopaedic & Radiology

X-Ray Machine

C-Arm

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CR-System

X-Ray View Box

✓ Specialized Equipment

Physiotherapy Equipment :

- Computerized IFT
- LCD Diagnostic Stimulators
- Tens 4 CH
- Ultrasound Therapy
- Traction Auto Trac
- CPM

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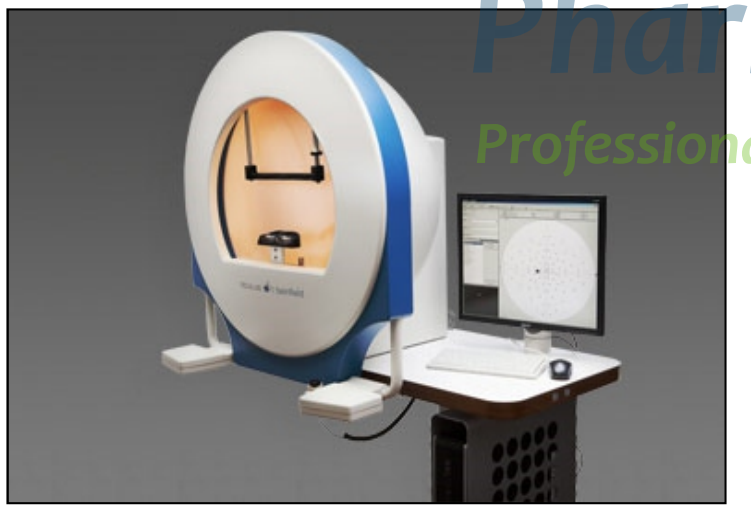
✓ Specialized Equipment : Ophthalmic

- Auto Refractometer- K
- Doctor's Chair Unit
- Applanation Tonometer
- Slit Lamp
- Auto Lensometer
- Microscope

Slit Lamp , ARK & Perimeter



Microscope

Auto Lensometer

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✓ Specialized Equipments… ICU

Boyels Machine

Ventilator for ICU

BiPAP / CPAP

HFNC Machine- Therapy

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✓ Ventilator : Life Saving Machine

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✓ Specialized Equipment- New addition in our profile

Critical Care Equipments

Biphasic defibrillator

Automatic CPR

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Robotic Assisted
Neurosurgery Equipment
ROSA Brain

✓ Specialized Equipment - New addition in our profile

OT Lamps

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✓ OT Tables

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✓ ICU BEDS

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✓ Specialized Refurbished Equipment – New addition in our profile

MRI Machine

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CT Scan Machine