

# Defibrillators and Cabinets

## Cabinets

### Power requirements

While the defibrillators themselves do not require a power supply as they have long lasting batteries, external cabinets tend to be wired into a power supply to provide a light and a heater. The light enables people to see the cabinet in the dark and see the keypad and contents. The heater keeps the defibrillator battery at working temperature so it does not fail in the cold.

### Models available

Prices for external cabinets range from £550 to £750 and they all seem to have the same features. The cabinet we have outside the Eskdale Road Community Centre is one of the cheaper ones at around £580. This type of cabinet is also used at Hawkslade Community Centre and Wendover Budgens.

**Recommendation** - Purchase the same cabinets as already used - DefibSafe 2, External AED Cabinet with Lock



## Defibrillators

### Automatic vs Semi-Automatic

They work exactly the same except for the final step of giving the shock. Automatic versions tell you to stand clear, give a countdown then shock. Semi automatic ones tell you to stand clear then you have to press the shock button. Both types talk you through the process. Both types detect heartbeat and will only shock a shockable heart.

We have a semi-automatic one at the two community centres.

Prices for auto/semi-auto versions of each model are about the same.

The deciding factors seem to be:

- Semi-automatic ones put the user in control and they can ensure people are clear of the patient before shocking.
- Automatic ones overcome the problem of the user freezing at the point they need to press the button.

## Models available

There are many models available but here are a few of the more common ones I found.

Model	Best price excl VAT	Pad type	Battery life/cost	Pad shelf life/cost	Features/notes
IPAD SP1	£930 from Direct365	2 Individual pads.  Dual adult/child with switch on unit	5 yr £165- £199	2 yr £50	<ul style="list-style-type: none"> <li>• What we have now at Eskdale Road &amp; Hawkslade</li> <li>• Adult and child mode using same pads</li> <li>• Adult/child switch cover is difficult to open</li> <li>• Cheapest pads but shorter shelf life</li> </ul>
DefiSign Life	£990 from SJA	2 Individual pads.  Different adult/child	6 yr £194	2 yr £76 adult £70 child	<ul style="list-style-type: none"> <li>• Different adult/child pads probably confusing for user</li> <li>• Child pads not included</li> </ul>
ZOLL AED Plus	£980 from Direct365	One piece comprising 2 electrode pads plus compression pad.  Different adult/ child	5yr £36	5 yr £130 Adult £123 Child	<ul style="list-style-type: none"> <li>• Pictures showing steps with light on current step</li> <li>• Single piece pad unit helps correct placing of electrodes</li> <li>• Measures compressions depth and tells you more/less</li> <li>• Different adult/child pads probably confusing for user</li> <li>• Child pads not included</li> <li>• Standard C type batteries – cheaper than other models</li> </ul>
Zoll AED 3	£1394 from Direct365	2 individual pads incl. compression pad  Dual adult/child with button on front of unit	5yr £150	5yr £133	<ul style="list-style-type: none"> <li>• Colour video display screen</li> <li>• Measures compressions depth and tells you more/less</li> <li>• Adult and child mode using same pads</li> </ul>
Philips HeartStart FRx	£1070 from Direct365	Dual adult/child but needs child key inserted.	4 yr £185	2 yr £68 Child key £88	<ul style="list-style-type: none"> <li>• Need to plug in pads while others have them already connected</li> <li>• Needs child key to use in child mode</li> <li>• Semi automatic only</li> </ul>

## Recommendation

- IPAD SP1 semi-automatic if we want consistency with other units
- Zoll AED 3 if we want best functionality. Probably have semi-automatic for consistency.

IPAD SP1



Zoll AED 3

