

### **Range of Powerchair.**

**The range of a Power Wheelchair can vary due to many factors. Examples are listed below.**

- Type of terrain (Flat, hilly, hard or grassed surfaces)
- Frequency of stop - starts
- Type, size and battery charge
- Age of battery.
- Use of accessories such as power actuated tilt and recline
- Tyre pressure and general condition of wheelchair.
- Ambient temperature.

Our stated distances are based on ideal circumstances which include a hard flat surface, continuous non stop driving using the following

- Series 6 wheelchair
- Preslite 250 watt motors 180 rpm
- New batteries (2 x 12v – 36amp SONNENSCHNEIDER GF1233YG2)
- or for Series 4
- New batteries (2 x 12v – 24amp SONNENSCHNEIDER GF1222Y)

### **Tips To Assure Sustained Maximum Service...**

There are many factors that can influence the life of a battery of this type. Generally speaking, if a wheelchair were used on a daily basis, one would expect at least 12 months life from a Battery Pack under normal operating condition running in a 24volt system (2 x 12v) and using a suitable charger.

Arguably, the most common factor that would reduce the life of a battery pack would be the charger. As a charger gets older, its performance may not be as it was when new. One possible scenario is that the charging voltage may have increased or decreased which will have a detrimental effect on batteries and shorten the life span. Glide recommends that when replacing batteries that at the very least have the charger checked for voltage output.

Heat kills batteries. Avoid placing batteries in close proximity to heat sources of any kind. The longest service life will be attained when the batteries are operated at an ambient temperature of 20°C. Operating temperatures over 35°C will reduce the service life of the battery. Avoid leaving wheelchair in direct sunlight for long periods in warmer climates.

### **Performance...**

HIGH TEMPERATURES will give increased performance, but at cost in terms of loss of life.

LOW TEMPERATURES will help to ensure a long service life but batteries used at low temperatures have a reduced performance.

### **End Of Life...**

Near the end of life the stand-by capacity of the battery will reduce, regardless of the application it is being used in. When this reduction becomes persistently regular, this indicator should be used as a sign that it is time for battery replacement before complete failure occurs.

### **Importance Of Correct Storage...**

The storage or shelf life of a battery is usually between 9 to 12 months at 20°C, starting from a fully charged condition.

**WARNING:** Never store your battery in a discharged or partially discharged state.

Always store in a dry, clean, cool environment in a well maintained condition.

If your battery is going to be in storage for 6 months or longer, supplementary charging will be required.

### **Look After Our Environment...**

When a battery has reached its end of life, we request you return it to your place of purchase, or to a reputable battery dealer for recycling.

Please observe the following points:

Do not throw your batteries into the bin at the end of their life. Batteries contain substances that are harmful to the environment, and we request you return them to your supplier or take them to your council tip for proper disposal.

Never bury your batteries in the ground or incinerate them at the end of their life. Batteries contain harmful substances making this an unsafe practise.