

# NiCad, NiMh & LITHIUM BATTERY PACKS



Using a variety of cell sizes and battery technology, SEC UK can design, manufacture and supply a range of standard or bespoke battery packs using: NiCad • NiMh • Lithium – Primary • Lithium Ion or Phosphate - Secondary • Alkaline • VRLA – Lead Acid

SEC UK battery packs can be connected in any configuration to form a higher voltage/capacity, to meet the requirement and design configurations of the battery pack.

Can Size	Fraction Code	Dimensions (mm)	
		Diameter	Height
<b>AA</b>		<b>14.1</b>	<b>48.0</b>
7/5AA	R	14.1	64.4
4/5AA	S	14.1	42.6
2/3AA	X	14.1	28.0
1/2AA	Z	14.1	24.0
1/3AA	Y	14.1	16.5
<b>AAA</b>		<b>10.1</b>	<b>43.6</b>
7/5AAA	R	10.1	66.5
5/4AAA	V	10.1	49.5
5/6AAA		10.1	41.6
2/3AAA	X	10.1	27.8
1/2AAA	Z	10.1	25.0
1/3AAA	Y	10.1	15.0
1/4AAA	W	10.1	12.0
<b>AAAA</b>		<b>7.9</b>	<b>41.5</b>
<b>F</b>		<b>32.2</b>	<b>89.0</b>
18650		18.0	65.0
18670		18.0	67.0
<b>A</b>		<b>16.8</b>	<b>49.0</b>
7/5A	R	16.8	65.9
4/5A	S	16.8	42.1
1/2A	Z	16.8	28.0
2/5A	T	16.8	21.5
1/3A	Y	16.5	16.5
<b>AF</b>		<b>16.8</b>	<b>49.0</b>
7/5AF	R	16.8	65.9
<b>C</b>		<b>25.3</b>	<b>49.0</b>
2/3C	X	25.3	30.0
1/3C	Y	25.3	19.1
<b>D</b>		<b>32.2</b>	<b>59.0</b>
2/3D	X	32.2	43.0
1/2D	Z	32.2	35.0
1/3D	Y	32.2	29.5
<b>SC</b>		<b>22.1</b>	<b>42.0</b>
5/4SC	V	22.1	49.0

## High Temperature NiCad Packs

High Energy - High Capacity

Excellent lifetime expectancy at high temperature

Temperature range -50°C to 70°C to comply with IEC 61951. EN60598-2-22 & ICEL 1010 E55

Terminal types: Fly-leads, Solder Tags, Fast-on Connectors or Plugs or fittings to your requirement

Battery Pack profile: End Caps, Backing Plates and Heat Shrinkable Sleeving

Design Life: 4 years to comply with IEC 61951. EN60598-2-22 & ICEL 1010 E55

Excellent charge profile

## Nickel Metal Hydride

Environmentally friendly, complying with IEC 61951-2

High temperature cells - 70°C to comply with IEC 61951. EN60598-2-22

High reliability under working conditions

Terminal types: Fly-leads, Solder Tags, Fast-on Connectors or Plugs or fittings to your requirement

Battery Pack profile: End Caps, Backing Plates and Heat Shrinkable Sleeving

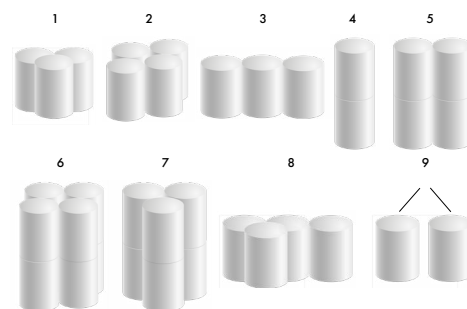
Design Life: 4 years to comply with IEC 61951. EN60598-2-22 & ICEL 1010 E55

Excellent charge profile

## Custom Lithium Battery Pack Manufacturing

We can supply a variety of custom-built Lithium Primary and Secondary battery packs. Our engineers are experienced in Lithium-Ion, Phosphate, Thionyl Chloride and other battery technologies. Offering assistance to help you design the most suitable Lithium battery pack for your application.

Our UK manufacturing team can design and assemble prototypes, small products runs as well as large scale mass production.



## Non-rechargeable Lithium Batteries

Li - (CF) <sub>x</sub>	3.1 Volts	Carbon Monofluoride
Li - MnO <sub>2</sub>	3 Volts	Lithium Manganese Dioxide
Li - SOCl <sub>2</sub>	3.6 Volts	Lithium Thionyl Chloride
Li - SO <sub>2</sub>	3 Volts	Lithium Sulfur Dioxide