World Class Battery Engineering
Flooded & AGM Batteries
Rolls batteries are manufactured in Nova Scotia, Canada by the Surrette battery company, who have been in the battery manufacturing business since 1935.

Rolls batteries specialise in the production of deep cycle batteries for many market sectors in particular Renewable Energy and Remote Stand By Power operations.

Relied on worldwide, our batteries are internationally recognised for their dependability and rugged construction providing energy storage in the most challenging environments. It is not just the outstanding quality of our batteries that we are so well known for but also our continual advances in process, dedicated work force and unrivalled commitment to sustainability.

Rolls has an extensive product portfolio with both Flooded and AGM deep cycle battery ranges. We offer some distinctive advantages to our customers –

- Premium Battery Brand
- Excellent Stock Availability
- Fast Order Processing & Delivery
- Technical Back Up & System Support
- Competitive Commercial Terms
- Controlled Distribution Channels

Rolls premium deep cycle batteries have earned a reputation of reliability and dependability in the renewable energy market.

Dual container construction, high-density polyethylene materials and unique “resitox” plate design provide a life expectancy that is among the longest in the battery industry.

Rolls has been the battery of choice for thousands of system installations around the world in some of the harshest environments on the planet, it is our customers that give us this well-earned reputation.

Projects have ranged from remote village electrification in Africa and South America to large community Island systems in Scotland and the South Atlantic. Renewable energy and stand by power systems installed in the Middle East and for telecoms in Scandinavia, the list goes on...

We understand the reliance on quality components and system balance in any off grid and stand by power environment and fully appreciate the importance batteries have to the success of any remote based project.

We work closely with distributors and system integrators to ensure perfect product synergy with all leading inverter/charger manufacturers including SMA, Outback, Studer, Victron and Mastervolt to name a few.
Rolls 4000 Series Batteries

The Rolls 4000 series batteries are available in 2V, 6V or 12V configuration and offer a wide range of capacities. They have a long life expectancy and one of the longest warranty periods available.

Features:
- Thick Plate Design
- Highest Density Active Material
- Envelope Separators
- Increase Liquid Reserve
- Greater Rigidity
- Greater Durability
- Less Maintenance

### 4000 Series - 7 Year Warranty

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>Capacity in Ah</th>
<th>Dimensions (mm) L x W x H</th>
<th>Weight Dry (Kg)</th>
<th>Weight Wet (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1380</td>
<td>2V</td>
<td>1380Ah</td>
<td>1050Ah</td>
<td>334 x 181 x 432</td>
<td>37.0</td>
</tr>
<tr>
<td>S1590</td>
<td>2V</td>
<td>1596Ah</td>
<td>1200Ah</td>
<td>334 x 181 x 432</td>
<td>39.0</td>
</tr>
<tr>
<td>S1725</td>
<td>2V</td>
<td>1729Ah</td>
<td>1300Ah</td>
<td>334 x 181 x 432</td>
<td>42.0</td>
</tr>
<tr>
<td>S460</td>
<td>6V</td>
<td>466Ah</td>
<td>350Ah</td>
<td>320 x 181 x 426</td>
<td>35.0</td>
</tr>
<tr>
<td>S530</td>
<td>6V</td>
<td>532Ah</td>
<td>400Ah</td>
<td>320 x 181 x 426</td>
<td>41.0</td>
</tr>
<tr>
<td>S600</td>
<td>6V</td>
<td>600Ah</td>
<td>450Ah</td>
<td>320 x 181 x 426</td>
<td>44.0</td>
</tr>
<tr>
<td>24HT 80</td>
<td>12V</td>
<td>106Ah</td>
<td>80Ah</td>
<td>279 x 171 x 235</td>
<td>17.0</td>
</tr>
<tr>
<td>30H 125</td>
<td>12V</td>
<td>166Ah</td>
<td>125Ah</td>
<td>345 x 171 x 240</td>
<td>27.0</td>
</tr>
<tr>
<td>T12 136</td>
<td>12V</td>
<td>181Ah</td>
<td>136Ah</td>
<td>345 x 171 x 286</td>
<td>33.0</td>
</tr>
<tr>
<td>T12 250</td>
<td>12V</td>
<td>266Ah</td>
<td>200Ah</td>
<td>391 x 178 x 365</td>
<td>44.0</td>
</tr>
</tbody>
</table>

![Cycle Life vs. Depth of Discharge](image-url)
Rolls 4500 Series Batteries

Rolls 4500 Series batteries provide the convenience and portability of our most popular L16 4000 Series models, combined with the extended capacity and cycle life found in the heavy duty 5000 Series batteries.

4500 Series - 7 Year Warranty

### Part Number

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Capacity in Ah</th>
<th>Dimensions (mm) L x W x H</th>
<th>Dry Weight (Kg)</th>
<th>Wet Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4500 SERIES - 2 VOLT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-1400EX</td>
<td>2V 1408</td>
<td>1000</td>
<td>830</td>
<td>321 x 185 x 426</td>
</tr>
<tr>
<td><strong>4500 SERIES - 6 VOLT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-500EX</td>
<td>6V 503</td>
<td>357</td>
<td>296</td>
<td>321 x 185 x 426</td>
</tr>
</tbody>
</table>

### Features:

- Compact Design - For Easy Handling and Installation
- Superior Cycling Performance - 2720 @ 50% D.O.D
- Extended Warranty For Maximum System Durability
- Rugged Plate Construction With Resistox Technology
- Full Pocket Enveloped Wrapped Positive Plates
- High Density Active Material Compound

### Cycle Life vs. Depth of Discharge

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### ACCESSORIES

**Water-Miser**
- Reduce Water Loss by up to 60%
- No Need To Ever Remove Caps
- Less Battery Maintenance
- Flame Retardent Characteristics

**Maintenance Kit**
- Distilled Water Dispenser
- Hydrometer
- PVC Apron
- Eye Wash

**Battery Accessories**
- PVC Gauntlet
- Safety Goggles
- Hazardous Sign
- Digital Multimeter
- Nuts and Bolts
- Battery Link Leads
- Terminal Covers

**System Components**
- Terminal Fuse Blocks
- CableCap Insulators
- Plus much more available...
Rolls 5000 Series Batteries

Rolls 5000 series batteries incorporate a new plate design with a larger surface area and higher density paste, providing increased performance for high current applications. Powerful and dependable, these models provide power for a wide range of renewable systems.

Features:
- Dual Container Construction
- Thick Plate Design
- Highest Density Active Material
- Envelope Separators
- Increase Liquid Reserve
- Eliminate Stray Current
- No Acid Leakage

5000 Series - 10 Year Warranty

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>Capacity in Ah</th>
<th>Dimensions (mm)</th>
<th>Weight Dry (Kg)</th>
<th>Weight Wet (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>C100</td>
<td>C20</td>
<td>C10</td>
<td>L x W x H</td>
</tr>
<tr>
<td><strong>SERIES 5000 - 2 VOLT (1 CELL) - DUAL CONTAINER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 KS 33P</td>
<td>2V</td>
<td>2490Ah</td>
<td>1766Ah</td>
<td>1466Ah</td>
<td>392 x 211 x 630</td>
</tr>
<tr>
<td>2 OS 33P</td>
<td>2V</td>
<td>2655Ah</td>
<td>1880Ah</td>
<td>1560Ah</td>
<td>392 x 211 x 630</td>
</tr>
<tr>
<td>2 YS 31P</td>
<td>2V</td>
<td>3426Ah</td>
<td>2430Ah</td>
<td>2017Ah</td>
<td>394 x 229 x 803</td>
</tr>
</tbody>
</table>

| **SERIES 5000 - 4 VOLT (2 CELL) - DUAL CONTAINER** | | | | | | |
| 4 CS 17P    | 4V      | 770Ah | 546Ah | 453Ah | 365 x 210 x 464 | 44.0 | 58.0 |
| 4 KS 21P    | 4V      | 1557Ah | 1104Ah | 916Ah | 400 x 238 x 629 | 98.0 | 121.0 |
| 4 KS 25P    | 4V      | 1904Ah | 1350Ah | 1121Ah | 400 x 270 x 629 | 100.0 | 143.0 |
| 4 KS 27P    | 4V      | 2062Ah | 1460Ah | 1212Ah | 400 x 270 x 629 | 113.0 | 154.0 |

| **SERIES 5000 - 6 VOLT (3 CELL) - DUAL CONTAINER** | | | | | | |
| 6 CS 17P    | 6V      | 770Ah | 546Ah | 453Ah | 559 x 210 x 464 | 81.0 | 100.0 |
| 6 CS 21P    | 6V      | 963Ah | 683Ah | 567Ah | 559 x 248 x 464 | 98.0 | 123.0 |
| 6 CS 25P    | 6V      | 1156Ah | 820Ah | 681Ah | 559 x 286 x 464 | 115.0 | 144.0 |
| 6 CS 27P    | 6V      | 1253Ah | 893Ah | 741Ah | 559 x 286 x 464 | 124.0 | 155.0 |

| **SERIES 5000 - 12 VOLT (6 CELL) - DUAL CONTAINER** | | | | | | |
| 12 CS 11P   | 12V     | 503Ah | 357Ah | 296Ah | 599 x 286 x 464 | 100.0 | 123.0 |

Cycle Life vs. Depth of Discharge

**5000 Series - 10 Year Warranty**
Rolls AGM Batteries

Rolls has designed a Deep Cycle VRLA battery with high reserve capacity, long cycle life and low internal resistance, while achieving superior cranking performance. Rolls AGM batteries are the smart choice for demanding renewable applications.

They are designed and built differently than standard batteries. They use more lead, heavier plates and other proprietary materials that enable them to deliver more power and capacity over many life cycles.

Features:
- Sealed Construction - Maintenance Free
- High Density Plate - High Capacity
- Heavy Duty Thick Grids - True Deep Cycle Construction
- ABS Case and Cover - Shock and Vibration Resistant
- Low Internal Resistance - Faster Recharge
- Microporous Glass Matt Separator - Enhanced Electrolyte Retention
- All Standard Sizes Available - For All Application Requirements

AGM Series - 5 Year Warranty

Rolls Terminal Configurations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>Capacity in Ah</th>
<th>Terminal Type</th>
<th>Dimensions (mm) L x W x H</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S6-275AGM</td>
<td>6V</td>
<td>275</td>
<td>C100</td>
<td>M8-TP08</td>
<td>262 x 181 x 273</td>
</tr>
<tr>
<td>S6-370AGM</td>
<td>6V</td>
<td>370</td>
<td>C20</td>
<td>DT</td>
<td>295 x 178 x 366</td>
</tr>
<tr>
<td>S6-460AGM</td>
<td>6V</td>
<td>460</td>
<td>C10</td>
<td>DT</td>
<td>295 x 178 x 424</td>
</tr>
</tbody>
</table>

AGM SERIES - 12 VOLT

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>Capacity in Ah</th>
<th>Terminal Type</th>
<th>Dimensions (mm) L x W x H</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S12-95AGM</td>
<td>12V</td>
<td>95</td>
<td>C100</td>
<td>M8-TP08</td>
<td>260 x 169 x 237</td>
</tr>
<tr>
<td>S12-116AGM</td>
<td>12V</td>
<td>116</td>
<td>C20</td>
<td>M8-TP08</td>
<td>307 x 169 x 233</td>
</tr>
<tr>
<td>S12-128AGM</td>
<td>12V</td>
<td>128</td>
<td>C10</td>
<td>M8-TP08</td>
<td>328 x 172 x 236</td>
</tr>
<tr>
<td>S12-160AGM</td>
<td>12V</td>
<td>160</td>
<td>C100</td>
<td>M8-TP08</td>
<td>341 x 173 x 309</td>
</tr>
<tr>
<td>S12-230AGM</td>
<td>12V</td>
<td>230</td>
<td>C20</td>
<td>LT</td>
<td>530 x 209 x 238</td>
</tr>
<tr>
<td>S12-240AGM</td>
<td>12V</td>
<td>240</td>
<td>C20</td>
<td>LT</td>
<td>381 x 178 x 371</td>
</tr>
<tr>
<td>S12-290AGM</td>
<td>12V</td>
<td>290</td>
<td>C20</td>
<td>LT</td>
<td>521 x 269 x 245</td>
</tr>
</tbody>
</table>
Rolls AGM batteries are sealed, maintenance free, non-hazardous and non-spillable. You will never need to add water to a Rolls AGM battery or worry about gassing or spilling of acid.

Operated upright or on their side, Rolls AGM batteries are also leak proof, shock and vibration resistant.

Rolls AGM batteries provide the performance and life of a true deep cycle battery with all the convenience and benefits of being maintenance free & non-hazardous.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage</th>
<th>Capacity in Ah at Terminal Type</th>
<th>Dimensions (mm)</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>C100</td>
<td>C20</td>
<td>C10</td>
</tr>
<tr>
<td>S2-590AGM</td>
<td>2V</td>
<td>590Ah</td>
<td>550Ah</td>
<td>500Ah</td>
</tr>
<tr>
<td>S2-945AGM</td>
<td>2V</td>
<td>945Ah</td>
<td>880Ah</td>
<td>800Ah</td>
</tr>
<tr>
<td>S2-1180AGM</td>
<td>2V</td>
<td>1180Ah</td>
<td>1100Ah</td>
<td>1000Ah</td>
</tr>
<tr>
<td>S2-1275AGM</td>
<td>2V</td>
<td>1275Ah</td>
<td>1200Ah</td>
<td>1150Ah</td>
</tr>
<tr>
<td>S2-1895AGM</td>
<td>2V</td>
<td>1895Ah</td>
<td>1750Ah</td>
<td>1600Ah</td>
</tr>
<tr>
<td>S2-2375AGM</td>
<td>2V</td>
<td>2375Ah</td>
<td>2200Ah</td>
<td>2000Ah</td>
</tr>
<tr>
<td>S2-3560AGM</td>
<td>2V</td>
<td>3560Ah</td>
<td>3300Ah</td>
<td>3000Ah</td>
</tr>
</tbody>
</table>

MODULAR BATTERY RACKS

Electrical power generated by the sun and/or wind, and actual power consumption never match. The result is feedback of power into the grid when excess power is generated, and power needed from the grid when power generation is insufficient.

As more solar and wind power comes on line, it becomes increasingly difficult, and expensive, to ensure stability of the grid. Intermediate energy storage is therefore rapidly becoming an essential tool to keep power fluctuations on the grid within manageable limits. Moreover, as feed-in tariffs are decreasing, the business case for a home energy storage system that increases self-consumption becomes more solid every day.