



Rolls

Applications

Residential

Communications

Remote Monitoring

Navigation Aids

Water Pumping

Utilities

Refrigeration

Uninterrupted power

Solar

Series 5000

Up to 20 Year Life Span

Non-breakable

Environmentally Friendly



Next-Generation Batteries for Renewable Energy Management

Rolls Battery Engineering, based in Salem, Massachusetts, has been manufacturing deep cycle batteries of the highest quality for more than 60 years. Our series 5000 system of batteries, manufactured specifically for solar and other renewable energy applications, are designed to offer up to 20 years of life thanks in part to its "Non-Breakable" Dual Container (Modular) Construction.



Specs-at-a-Glance:

Voltage: various configurations

Plate Alloy: 4% Antimony

Post Type: Flag (Typical)

Charge Voltage (77F): Float 2.2 - 2.23 VPC, Bulk 2.37 - 2.4 VPC

Specific Gravity: 1.265

Electrolyte: Sulfuric Acid

Feature:

Dual Container Modular Construction

Benefits:

- Elimination of stray current
- Environmentally friendly
- No acid leakage
- Easy on-site assembly/disassembly, with no special tools or skills required
- Drastic reduction in connections, which eliminates many points of failure, increasing charging efficiency



Feature:

Coupling our thick plate design with the highest density active material

Benefit:

- Unsurpassed cycling service - 15 year average life

Feature:

Enveloped Separators

Benefits:

- Ability to remove sediment chamber, eliminating separator misalignment, treeing or shorting
- Also allows for higher plates to be used in the same sized cell, which yields greater capacity



Feature:

Increased Liquid Reserve

Benefit:

- Less maintenance



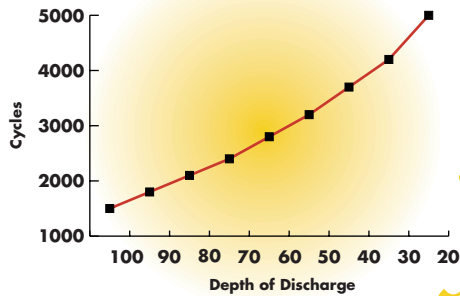
Rolls



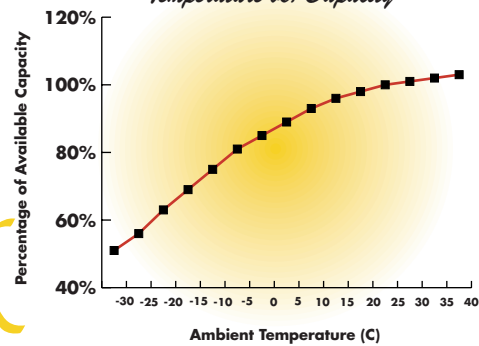
Series 5000 - Solar Dual Container Construction

Rolls Series 5000 batteries are enhanced by their non-breakable dual container construction. Each cell is assembled in its own inner container - eliminating breakage due to rough handling and abuse, acid leakage, and short circuits due to the accumulation of moisture and dirt and other foreign objects. Cell replacement is clean and quick - allowing the battery to be assembled or repaired on location, without special skills or tools.

Cycle Life - Series 5000



Temperature vs. Capacity



Series 5000

Model	CAP. 100 Hour 1.75 VPC	CAP. 20 Hour 1.75 VPC	Lt. Inches	Wd. Inches	Ht. Inches	Wt. Wet Lbs.	Wt. Dry Lbs.
4 Volt 2 Cell							
4-CS-17PS	682	546	14 3/8	8 1/4	18 1/4	128	98
4KS-21PS	1379	1104	15 3/4	9 3/4	24 3/4	230	186
6 Volt 3 Cell							
6-CS-17PS	683	546	22	8 1/4	18 1/4	221	178
6-CS-21PS	854	683	22	9 3/4	18 1/4	271	217
6-CS-25PS	1025	820	22	11 1/4	18 1/4	318	254
8 Volt 4 Cell							
8-CS-17PS	683	546	28 1/4	8 1/4	18 1/4	294	238
8-CS-25PS	1025	820	28 1/4	11 1/4	18 1/4	424	342
12 Volt 6 Cell							
12-CS-11PS	446	357	22	11 1/4	18 1/4	272	220

Warranty Information:

The Rolls Warranty - Series 5000
 Failure within 36 months from date placed in service yields FREE replacement, not including freight charges from factory to destination. After the first 36 months of service, defective batteries will be adjusted for a period of up to 120 months from date first in service at prices in effect at time of adjustment. Certain Restrictions Apply - contact your local representative for more details.

Contact:

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 Or your nearest distributor: