

# Uncompromising energy storage

*Our 5000 series*

**Renewable energy does  
not mean continuous energy...  
Therefore you must have dependable,  
reliable batteries... Rolls, the world's best.**

- Modular dual container construction
- Unsurpassed cycling
- Widest range of specifications available
- Industry's largest liquid reserve
- 10 year warranty - 15 year average life span
- Low maintenance



**6-CS-17PS  
6-CS-21PS  
6-CS-25PS**

Modular 6-volt, dual-container, series based on our legendary CS plate. Three models available (770AH, 963AH, 1156AH - 100hr rate). Ideal for medium / larger systems when maximum life and minimal parallel strings are a requirement. Recommended maximum bank size 2300AH at 48VDC.



**2-YS-31PS  
2-KS-33PS**

Modular 2-volt, dual-container, series based on our high capacity KS & YS plates. Our highest capacity models available (2349AH, 3435AH - 100 hr rate). Ideal for larger systems where maximum life and minimal parallel strings are a priority. Recommended maximum bank size 10,305AH at 48VDC.



**4-KS-21PS  
4-KS-25PS**

Modular 4-volt, dual-container, series based on our high capacity KS plate. Two models available (1557AH, 1990AH - 100hr rate). Perfect for larger systems where maximum life and minimal parallel strings are a priority. Recommended maximum bank size 5900AH at 48VDC.



**Serving the renewable  
energy market since 1984**

**Rolls**  
BATTERY ENGINEERING

# 5000 Series Batteries

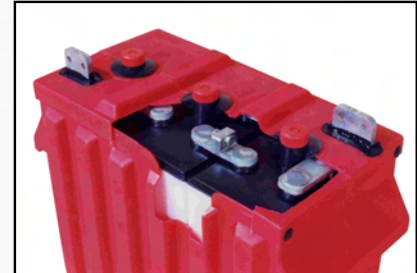
for renewable energy applications

The most technologically advanced batteries available!

Model	Capacity 100 Hour 1.75 VPC	Capacity 20 Hour 1.75 VPC	Length	Width	Height	Weight Wet / Dry
<b>2 Volt 1 Cell</b>						
2-KS-33PS	2491	1766	15.44 in 39.22 cm	8.31 in 21.11 cm	24.81 in 63.02 cm	208/145 lb 94/66 kg
2-YS-31PS	3435	2430	15.50 in 39.37 cm	9.00 in 22.86 cm	31.63 in 80.34 cm	285/200 lb 130/91 kg
<b>4 Volt 2 Cell</b>						
4-CS-17PS	770	546	14.39 in 36.55 cm	8.25 in 20.96 cm	18.25 in 46.36 cm	128/98 lb 58/44 kg
4-KS-21PS	1557	1104	15.75 in 40.01 cm	9.39 in 23.85 cm	24.75 in 62.87 cm	267/186 lb 121/84 kg
4-KS-25PS	1990	1350	15.75 in 40.01 cm	10.63 in 27.00 cm	24.75 in 62.87 cm	315/220 lb 143/100 kg
<b>6 Volt 3 Cell</b>						
6-CS-17PS	770	546	22.00 in 55.88 cm	8.25 in 20.96 cm	18.25 in 46.36 cm	221/178 lb 100/81 kg
6-CS-21PS	963	683	22.00 in 55.88 cm	9.75 in 24.77 cm	18.25 in 46.36 cm	271/217 lb 123/98 kg
6-CS-25PS	1156	820	22.00 in 55.88 cm	11.25 in 28.58 cm	18.25 in 46.36 cm	318/254 lb 144/115 kg
<b>8 Volt 4 Cell</b>						
8-CS-17PS	770	546	28.25 in 71.76 cm	8.25 in 20.96 cm	18.25 in 46.36 cm	294/238 lb 133/108 kg
8-CS-25PS	1156	820	28.25 in 71.76 cm	11.25 in 28.58 cm	18.25 in 46.36 cm	424/342 lb 192/155 kg
<b>12 Volt 6 Cell</b>						
12-CS-11PS	503	357	22 in 55.88 cm	11.25 in 28.58 cm	18.25 in 46.36 cm	272/220 lb 123/100 kg

## Dual Container

Our unique battery design features dual container construction. Each cell is self-contained in a high temperature-retardant, durable polypropylene case. The outer container is made of high-density unbreakable polyethylene, giving you double protection against breakage or leakage. Cell replacement is clean and quick; with bolt-on connectors - allowing the battery to be assembled or repaired on location.



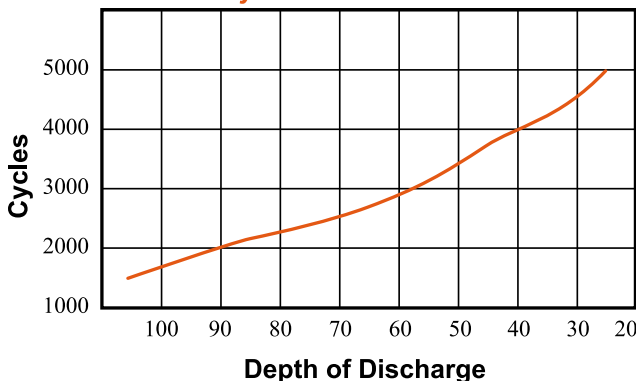
## Plate Construction

Our rugged positive plates are the thickest in the industry and pasted at the highest density. Coupling with enveloped separators creates increased liquid reserve – creating a lower maintenance, longer cycling battery.

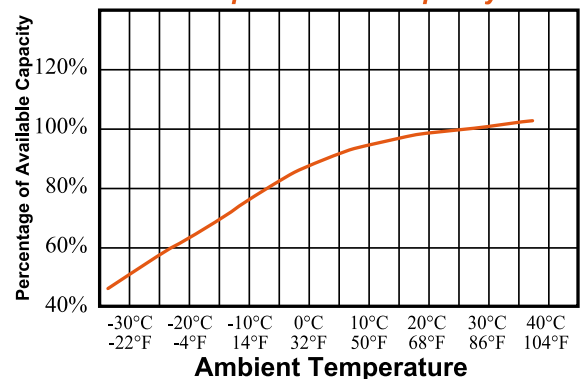
## Warranty Information

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 the date first in service at prices in effect at the time of adjustment. Certain restrictions apply.

Cycle Life - Series 5000



Temperature vs. Capacity



authorized dealer

Our Reputation is Well Earned

Rolls batteries have the highest lead content and largest liquid reserve of any deep cycle battery. This makes Rolls the battery with the longest useful life available.

**Rolls**

BATTERY ENGINEERING

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