Different Manufacturers. Different Batteries.

Crown Battery’s modern in-line solid-cast construction with precision automated welds deliver best available performance and life as compared to other competitive batteries.

Compare their outdated offset strap construction with individually cast parts that are manually welded together...there’s really no comparison.
Beyond a long line of high-quality deep cycle batteries, beyond a long history of satisfied applications, there’s another product consideration that’s every bit important. It’s called “value.” It’s one those rare times in business you get more than you pay for. And we can offer it because we specialize in cost reduction performance. It’s our business.

Take our Deep Cycle Battery array for instance. We didn’t get to be the best and most trusted manufacturer in the world by offering “me too” batteries that you can find anywhere. We did it by manufacturing a line that covers the industry’s total needs. Not ours.

**With Crown, The Beauty Is More Than Skin Deep.**

**Positive Plate Active Material Difference:**
Dense TBLS (tetra basic lead sulfate) content in the positive plate ensures that it is more resistant to breakdown. This results in a longer battery life and more uniform consistency.

**Crown Battery**
Crystal size = 10 microns

**Their Battery**
Crystal size = 10-50 microns

Crown’s modern one-piece solid cast design provides a lower internal resistance allowing for superior charge acceptance, battery discharge performance and longer battery life. With a center-to-center dimension of 3.236” (82.19 mm) the in-line strap enables a shorter current path than competitive products.

Construction is out-dated: Offset straps with a longer current path results in higher internal resistance; individually cast parts are manually welded during assembly; terminal posts and tombstone connections are manually welded to the offset straps, and you can see layering marks in lead connection points.
Crown’s in-line, solid-cast design is the industry’s heavyweight – with 52% more electrical current carrying area than competitor products for stronger performance and life. Available current carrying area = 0.272 in² (175.5 mm²)

Offset strap construction with lightweight individually cast parts that are manually welded together during assembly – with longer current paths and higher internal resistance. Available current carrying area = 0.130 in² (84.0 mm²)

Uniform in-line solid-cast construction delivers reliable cycle performance and life.

Non-uniform construction with visible areas of increased internal resistance.

Crown Battery employs 40% more lead in its electrical current carrying structure and wraps the terminals in plastic to lock out possible entry points for acid corrosion and terminal short-circuit.

Other manufacturers’ products feature outdated terminal designs that embed the terminal structure in the battery cover – while leaving most of its current carrying structure exposed to problem causing terminal corrosion and damage from short-circuit. The terminal structure shown here is lightweight in comparison with the Crown terminal structure – featuring total current carrying area of 0.196 in² (126.1 mm²).
It must be a matter of perspective. But we aren’t prone to exaggeration, the way some of our competitors are.

If you claim to have batteries that out-perform all others, an independent laboratory should confirm the findings. That’s the way we do it at Crown.

Since 1926, that’s all we’ve done. And to us, it really isn’t a matter of claiming to be first in the industrial marketplace. But being the best.

Some manufacturers are comfortable making exaggerated claims. We’re comfortable making battery history…one customer at a time.

The Industry Heavyweight

The heaviest, thickest plates in the industry. Thicker plates, heavier lead connections, and the most active lead material per ampere hour of rated capacity. And heavy means more lead, more active material. Which means more power. Longer life.

Who would you put your money on? A lightweight battery? Or the heavyweight of the world.

Crown.

An independent, international lab finds Crown Batteries the real value in the world marketplace.

*Crown CR-225 Discharge and Cycle Life Test
75 Amp Discharge to 1.75 Volts Per Cell - Continuous Cycle Life Test
CR-225 Rated Capacity = 115 Minutes @ 75 Ampere Discharge

CR-225
744 Total Cycles
Avg 126 Min’s per Cycle

*To request a copy of the findings, please contact: Crown Battery Manufacturing Co., P.O. Box 990, Fremont, OH 43420-0990 USA

1445 Majestic Drive • P.O. Box 990
Fremont, OH 43420-0990 USA
419-334-7181 • Fax 419-334-7124
www.crownbattery.com
sales@crownbattery.com

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