



SUSTAIN ABILITY



**CROWN**  
RENEWABLE POWER  
BATTERIES



*Clean renewable energy from a company powered by clean renewable energy.*

The technical ability to sustain energy requires commitment...which manifests itself in

# RESPONSE ABILITY



## MARKET RESPONSE ABILITY

For many years now the world has known that its dependence on biofuels was limited. Hi-tech photovoltaic and wind power specialists developed answers to this problem which created an immediate need for energy storage batteries. Crown Battery responded to this need with an innovative array of renewable energy batteries that deliver responsible power storage solutions to RE system owners.

Solar. Wind. Power. Guaranteed.

This is where your solar and wind power investment pays off: in renewable energy storage systems that feature the reliability and longevity delivered by Crown Renewable Power Batteries. Unlike some manufacturers who simply repackage existing battery products into a new array and call it an RE line, Crown Battery evaluated marketplace needs and developed an innovative lineup of storage battery products that provide best-available power storage solutions for contemporary solar and wind power systems.

- ▶ The most complete, dedicated array of RE batteries as compared with other manufacturers
- ▶ Battery capacity ratings that range from 120 to 3690 ampere-hours (100 Hour Rate)
- ▶ Recognition of Crown Renewable Power Batteries as “Best Available” and “Most Reliable” by serious RE system owners

Crown Batteries are the Heavy Weight. And that’s important.

Because “heavy” means energy dense plates that use more active lead materials. Heavier plates that use more active lead materials are directly related to stronger battery performance and longevity. So other things being equal, batteries with more active lead material will last the longest. And Crown leads the industry in terms of lead content per ampere-hour of rated capacity. Period.

No other renewable battery in the world can compete with the assured performance of Crown. No other manufacturer takes this Response Ability as seriously. Compared to Crown Renewable Power Batteries, there is really no comparison.

## BUILDING RESPONSE ABILITY

It would have been all too easy to break ground for a new facility dedicated to the Renewable Energy Industry. But adding another carbon footprint to our planet would seem to go against the concept of renewable energy.

Renewable energy and energy efficiency are sometimes said to be the “twin pillars” of sustainable energy policy. Both resources must be developed in order to stabilize and reduce carbon dioxide emissions.

So, instead, we took a major production step into the footprint of a company that had moved. Our custom facility isn't marred with carbon footprints but is geared to the needs of our worldwide customers. Pure. Clean. Simple.



## FACILITY RESPONSE ABILITY

It's one thing to make renewable energy batteries for our environment... it's another to integrate renewable solar and wind energy generation in our manufacturing operations to reduce Crown Battery's reliance on grid electricity. That says something about our commitment.



### Renewable Energy from Renewable Energy.

On top of our Renewable Energy Center you'll see a unique engineering marvel called the WindCube®. The WindCube relies on a “wind tunnel” effect known in physics as the Bernoulli Principle. While the rest of the wind industry generates energy through the use of free-stream wind, the WindCube captures and amplifies the wind, which produces more kilowatt-hours. As wind encounters the WindCube shroud it becomes concentrated, creating increased velocity and in turn, more power. By amplifying the natural wind speed the WindCube is able to produce more power from a smaller footprint. Proportionally, the WindCube has the smallest footprint with the largest amount of power output in the industry.

In making Renewable Energy Batteries, we think it's safe to say we practice what we preach.

## RECYCLING RESPONSE ABILITY

Every aspect of the environment is important to us. That is why we offer a Battery Recycling Program to our dealers who are reimbursed for their effort. We don't just recycle Crown Battery products – Crown Battery works with industry counterparts to ensure used lead acid batteries are removed from circulation and safely disposed of through qualified battery recycling agents.



12CRP95



12CRP115



12CRP130



6CRP225



6CRP245



6CRP325

## MANUFACTURING RESPONSE **ABILITY**

We have applied renewable energy concepts and best practices at our factory to eliminate waste in every area of our manufacturing processes. The result is a product that is truly unique, truly superior in design and performance.

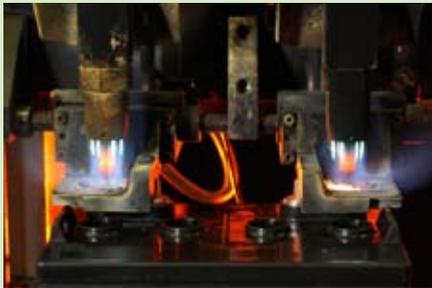


*Automatic Plate Stacker*

What Makes Crown Batteries Unique:

- ▶ Thick, energy dense plates combined with heavy-duty cast-on strap and inner-cell connections constructed in a fully-automated process
- ▶ Crown products utilize more active lead material per ampere-hour of rated capacity than competitive RE products
- ▶ Manufactured to exact standards to deliver the longest running times and battery life – with proven low maintenance performance

*The Power Behind Performance*



*Terminal Post Bonder*



*Robotic Assembly*



*Automated Plate Wrapper*

Although there are well over a dozen steps to building Crown Renewable Power Batteries, Crown Battery employs several unique processes that other battery manufacturers cannot match.

These processes are what make Crown Batteries unique. While other battery manufacturers rely on labor-intensive manufacturing traditions of the past, we have made major investments into the most contemporary manufacturing technologies available. Many of these processes are

proprietary in nature. And these systems deliver the finest quality control and automated manufacturing capabilities in the industry. And the people that make it all work... are as good as they come.

That is why, when you see the Crown Battery name, you're looking at the number one battery in the renewable energy field. Who's in second place? Our guess is...everybody else.

What's coming up next depends on what the world needs tomorrow.



6CRP395

2CRP500

2CRP1400

2CRP2550



**Serving one market with clean renewable energy batteries: The World.**



Through its corporate and branch distribution facilities, Crown Battery serves a diverse customer community located throughout the world. We welcome your inquiry through our regional sales and distribution locations and invite you to contact us about your specific battery, charger, or system handling needs.

## Our Company's **RESPONSE ABILITY**

*"Achieving sustainable energy and reducing your carbon footprint are both pro-active. They are carefully conceived declarations of "who we are" and "what we believe." They are concepts designed to become one with our environment. We are all responsible. To you. To our world."*

Hal Hawk, President,  
Crown Battery Mfg. Co.



**The Power Behind Performance**



***The Power Behind Performance***



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