

SUSTAIN ABILITY

CLEAN RENEWABLE ENERGY FROM A COMPANY
COMMITTED TO CLEAN RENEWABLE ENERGY




CROWN[®]
RENEWABLE POWER
BATTERIES

QUALITY. RELIABILITY. LONGEVITY.

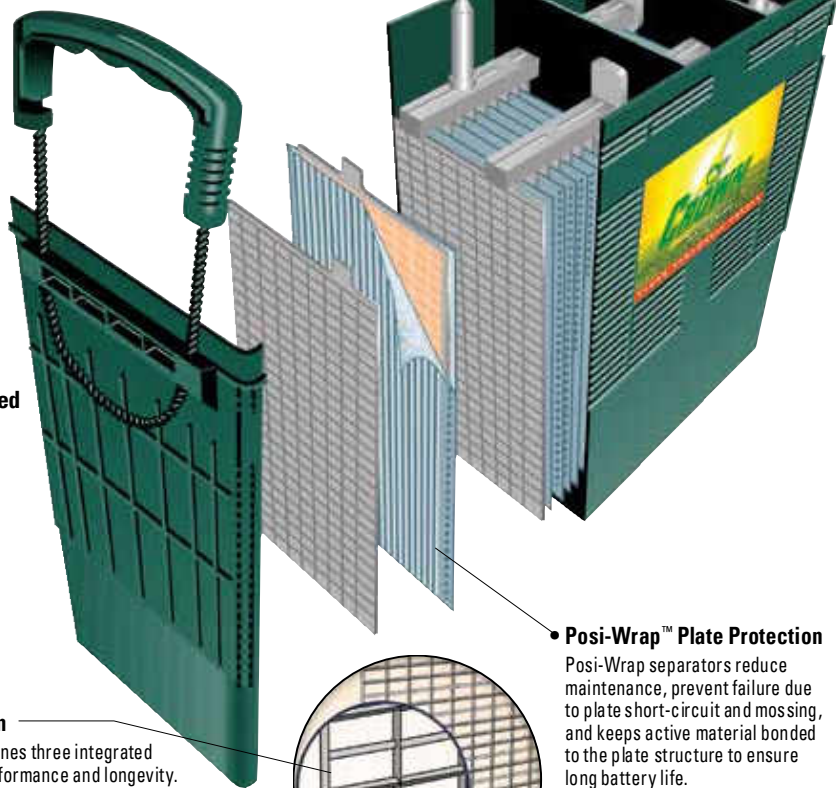
SOLAR. WIND. ENERGY STORAGE. GUARANTEED.

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 Batteries.

- ▶ 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



• **PROeye™**
No mess, no guess indicator for inspecting electrolyte levels that signals when watering service is required.

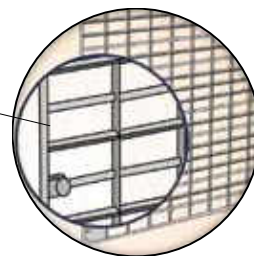


• **Heat-Sealed Case and Cover Design with Anchor-Molded Standard Terminal**

• **Z3 Plate Construction**

Crown's Z3 design combines three integrated features for superior performance and longevity.

- Our signature "Diamond Z" plate architecture.
- An inset lug position.
- LifePlus™ Active Material, manufactured with premium lead oxide from our own oxide mill to exact specifications, applied uniformly and temperature cured in computer-controlled Curing Ovens that assure optimum product performance and life.



• **Posi-Wrap™ Plate Protection**

Posi-Wrap separators reduce maintenance, prevent failure due to plate short-circuit and missing, and keeps active material bonded to the plate structure to ensure long battery life.



12CRP130



12CRP165



12CRP190



6CRP290

TY. LOW-MAINTENANCE. CROWN.

• Individual 2-Volt Steel Tray Design

The Power Module's design couples a powerful range of available capacities with unmatched application flexibility, while the battery's steel tray increases compression of the battery's internal plate group to increase cycle life while providing a better solution for temperature management and electrical isolation.

• Cell Cover

- Heat-sealed to ensure a permanent, leak-free seal between the cell container and cover.
- The cover's double O-ring bushing design allows for positive plate growth without cover leakage and eliminates cell cover distortion.

• Element Protector

Full width element protector with individual fingers between each plate lug prevents premature failure from mousing short-circuit and prevents separator damage during cell inspection.

• Posi-Wrap™ Plate Protection

- A** Vertical Double Mat Slycer Wrap becomes embedded into the plate surface to ensure complete active material retention for longevity.
- B** Horizontal Glass Mat Wrap provides a secondary layer of active material retention.
- C** The Koroseal Retainer Wrap is a perforated envelope tightly binds the two glass mat wraps to the plate while providing a third layer of insulation against mousing and short-circuits.
- D** The Sleeve Separator is a high-porosity sleeved separator that delivers a final layer of insulation from direct plate-to-plate contact and mousing.

Common Design Features

• Rugged Cell Construction

Signature heavy-duty cast-on strap and terminal post structures manufactured in a highly automated production process deliver unmatched electrical efficiency and durability.

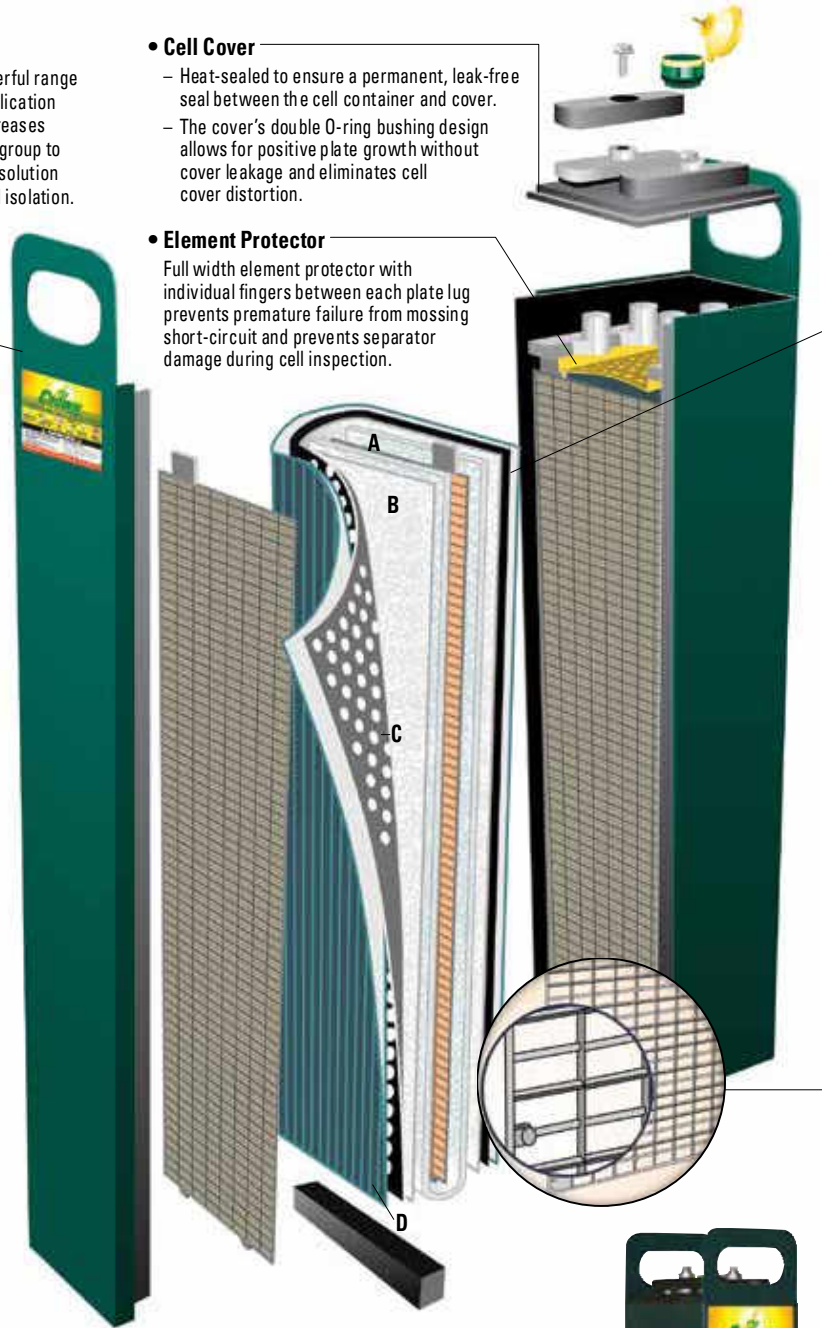
• Low Maintenance Reliability

Crown Renewable Products' low maintenance design ensures reduced Preventative Maintenance frequency, lower PM service costs, and best-available user ROI:

- Proprietary cell construction that reduces water loss during the charge cycle.
- Additional fluid headspace above the battery plates so batteries can perform longer between watering intervals.
- Water-Saver™ battery cover and high-performance vent components capture gasses emitted during the charge cycle – and return restored fluid to the battery.

• Safe & Easy Handling

CRP Power Module and Monobloc batteries include fixed handles or lifting lugs to enable safe and easy handling as well as the flexibility to be installed with – or without – battery racks.



• Z3 Plate Construction

Power Module batteries Z3 plate design combines three integrated features for superior electrical performance and longevity.

- 13 vertical plate wires that withstand the rigors of deep cycling service and high-rate discharge.
- Offset internal wires are designed for less internal resistance and maximum active material retention to deliver premium battery life.
- LifePlus™ Active Material, manufactured with premium lead oxide from our own oxide mill to exact specifications, applied uniformly and temperature cured in computer-controlled Curing Ovens that assure optimum product performance and life.



6CRP400



6CRP525



2CRP710



2CRP2030

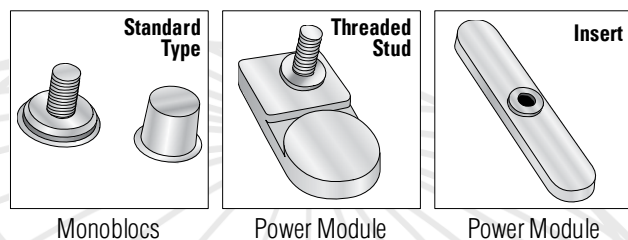


2CRP3690

RENEWABLE POWER BATTERIES

BCI Group	Model Number	Voltage	Electrical Capacity				Physical Specifications								Weight		Product Footnotes
			100 HR Amp-Hours	20 HR Amp-Hours	100 HR kWh	20 HR kWh	Inches				Millimeters				Lbs	Kgs	
							L	W	Container Height	Overall Height	L	W	Container Height	Overall Height			
CRP Monobloc Series																	
GC2	6CRP290	6	290	225	1.6878	1.3095	10.25	7.13	9.75	10.75	260	181	247	273	63	29	AD
GC2H	6CRP295	6	295	245	1.7169	1.4259	10.25	7.13	10.50	11.50	260	181	266	292	73	33	AD
902	6CRP400	6	400	325	2.3280	1.8915	12.19	7.19	13.13	14.13	310	183	333	359	100	45	AD
903	6CRP435	6	435	370	2.5317	2.1534	12.38	7.19	15.13	16.13	314	183	384	410	112	51	AD
903	6CRP525	6	525	395	3.0577	2.2989	12.38	7.19	15.13	16.13	314	183	384	410	120	54	AD
24	12CRP130	12	130	95	1.5132	1.1058	10.88	6.75	8.75	9.38	276	171	222	238	50	23	AD
27	12CRP165	12	165	115	1.9206	1.3386	12.63	6.75	8.75	9.38	321	171	222	238	60	27	AD
31	12CRP190	12	190	130	2.2116	1.5132	13.00	6.75	8.47	9.38	330	171	215	238	66	30	AD
CRP Power Module Series																	
—	2CRP710	2	710	500	1.3774	0.9700	6.06	6.56	16.50	20.75	154	167	419	527	76	34	BD
—	2CRP810	2	810	550	1.5714	1.0670	6.81	6.56	16.50	20.75	173	167	419	527	85	39	CD
—	2CRP910	2	910	625	1.7654	1.2125	7.56	6.56	16.50	20.75	192	167	419	527	95	43	CD
—	2CRP1000	2	1000	700	1.9400	1.3580	8.31	6.56	16.50	20.75	211	167	419	527	105	48	CD
—	2CRP1100	2	1100	750	2.1340	1.4550	6.06	6.56	21.50	25.75	154	167	546	654	109	49	BD
—	2CRP1400	2	1400	1000	2.7160	1.9400	7.56	6.56	21.50	25.75	192	167	546	654	136	62	CD
—	2CRP1880	2	1880	1300	3.6472	2.5220	9.81	6.56	21.50	25.75	249	167	546	654	173	78	CD
—	2CRP2030	2	2030	1400	3.9382	2.7160	10.56	6.56	21.50	25.75	268	167	546	654	194	88	CD
—	2CRP2350	2	2350	1600	4.5590	3.1040	12.06	6.56	21.50	25.75	306	167	546	654	222	101	BD
—	2CRP2500	2	2500	1700	4.8500	3.2980	12.81	6.56	21.50	25.75	325	167	546	654	233	106	BD
—	2CRP3000	2	3000	2050	5.8200	3.9770	10.56	6.56	29.00	33.39	268	167	737	848	259	117	CD
—	2CRP3460	2	3460	2350	6.7124	4.5590	12.06	6.56	29.00	33.39	306	167	737	848	294	133	BD
—	2CRP3690	2	3690	2550	7.1586	4.9470	12.81	6.56	29.00	33.39	325	167	737	848	313	142	BD

Available Terminals



Product Footnotes	
A	Standard Terminals
B	Stainless Steel Threaded Stud Terminals
C	Inserted Brass Terminals
D	Battery Fitted with Handle or Lifting Lug

Crown Renewable Batteries are the Heavy Weight. And That's Important

Because "heavy" means energy dense plates that use more active lead material. 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 energy 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 Batteries, there's really no comparison.

WHAT'S COMING UP NEXT DEPENDS ON WHAT THE WORLD NEEDS TOMORROW



1445 Majestic Drive | P.O. Box 990
 Fremont, OH 43420-0990 USA
 +1.419.334.7181 | Fax +1.419.334.7124
www.crownbattery.com
commercial@crownbattery.com