

CROWN™

THIS **1** IS FOR YOU



**THE FIRST AGM DEEP CYCLE BATTERY:
DETAIL-ENGINEERED THE CROWN WAY**

CROWN

1 OBJECTIVE

Build A Better Deep Cycle AGM Battery.

Innovation is at the core of Crown Battery's strategic vision. We innovate to find solutions. Some of our solutions become industry standards for product design and manufacturing practices. For Crown Battery – innovation is a tradition.

With **CROWN1** AGM batteries, innovation became an ideal by applying a simple philosophy: "If you're going to do it, do it right." So everything – from the most refined raw materials, to a custom-engineered manufacturing system, to the experienced people in our plant who volunteered to make the **CROWN1** – everything had to be better. And it is.

Advanced process technology ensures the highest levels of quality and dependability. People around the world perform increasingly complex work that requires the highest levels of reliability from energy storage sources. The technology behind CROWN1 batteries assure the power demands of people throughout the world – making life easier, healthier and more productive.

The Power Behind Performance = Value

Beyond a broad product array, beyond a long history of delivering power to customers throughout the world, there's a design principle here that's even more important to our customer philosophy: **It's called real value.** It's a rare commodity in a world of choices for energy storage and one where you receive more than what you pay for. And with **CROWN1** you'll find our AGM Deep Cycle Batteries deliver one of the highest value positions in the global energy storage marketplace.

- ▶ **No Watering.**
- ▶ **No Gassing.**
- ▶ **No Maintenance.**
- ▶ **No Comparison.**
- ▶ **Literally.**

CROWN1. This kind of power inspires imagination. The kind you've come to expect from Crown.

PERFORMANCE. ATTITUDE.

Spillproof & Maintenance Free with Universal Terminals

Crown1's sealed and certified non-spillable AGM design eliminates the need for watering service and related maintenance to make shipping and deployment easy and cost-effective, while the batteries' standard dual terminal design ensures universal application fitment.

Advanced Plate Construction

Heavier, thicker plate construction with more active material and an inset plate lug delivers longer discharge times, increased tolerance for deep cycle service and improved recharging performance in comparison with flooded batteries.

SolidCast™ Grid

Crown1's full-frame SolidCast grids are constructed with more lead and uniform wire thickness across the grid structure to hold and retain active material for longer life and durability.

Robust Cell Design

Crown1's modern solid-cast C.O.S. and cell construction, featuring heavier and more efficient current carrying structures and unmatched uniformity, delivers more power under load, lower internal resistance and best-available protection from vibration.

AGM Separator

Ultra high-strength glass mat separator utilizes advanced composites to absorb and distribute electrolyte and enables superior recovery from deep discharge cycling and high efficiency charging service.





AMBITIONOUS INVESTMENT

Crown collaborated with advanced battery production technology partners to design what has become a breakthrough in battery manufacturing technology:

Crown's inline AGM C.O.S production process. This cutting-edge technology demonstrates a consistent, accurate and highly efficient process that moves raw materials to a finished battery. There is nothing quite like it in the industry...

a manufacturing process designed around customer expectations for the end product...the **CROWN1** Battery.



AGM PLATE WRAPPING & STACKING – Advanced AGM plate wrapper automatically delivers the highest levels of repeatable quality – ensuring product integrity and performance.



AGM INLINE CELL ASSEMBLY – Cells are loaded and move through a completely automated C.O.S. assembly process. The Inline C.O.S. Assembly process is a "Best-in-Class" manufacturing feature that delivers finished product integrity benefits that are unmatched in competitive terms.



AGM VISION SYSTEM – This advanced process capability safeguards product integrity by verifying key battery components are correctly oriented and inserted into the container.



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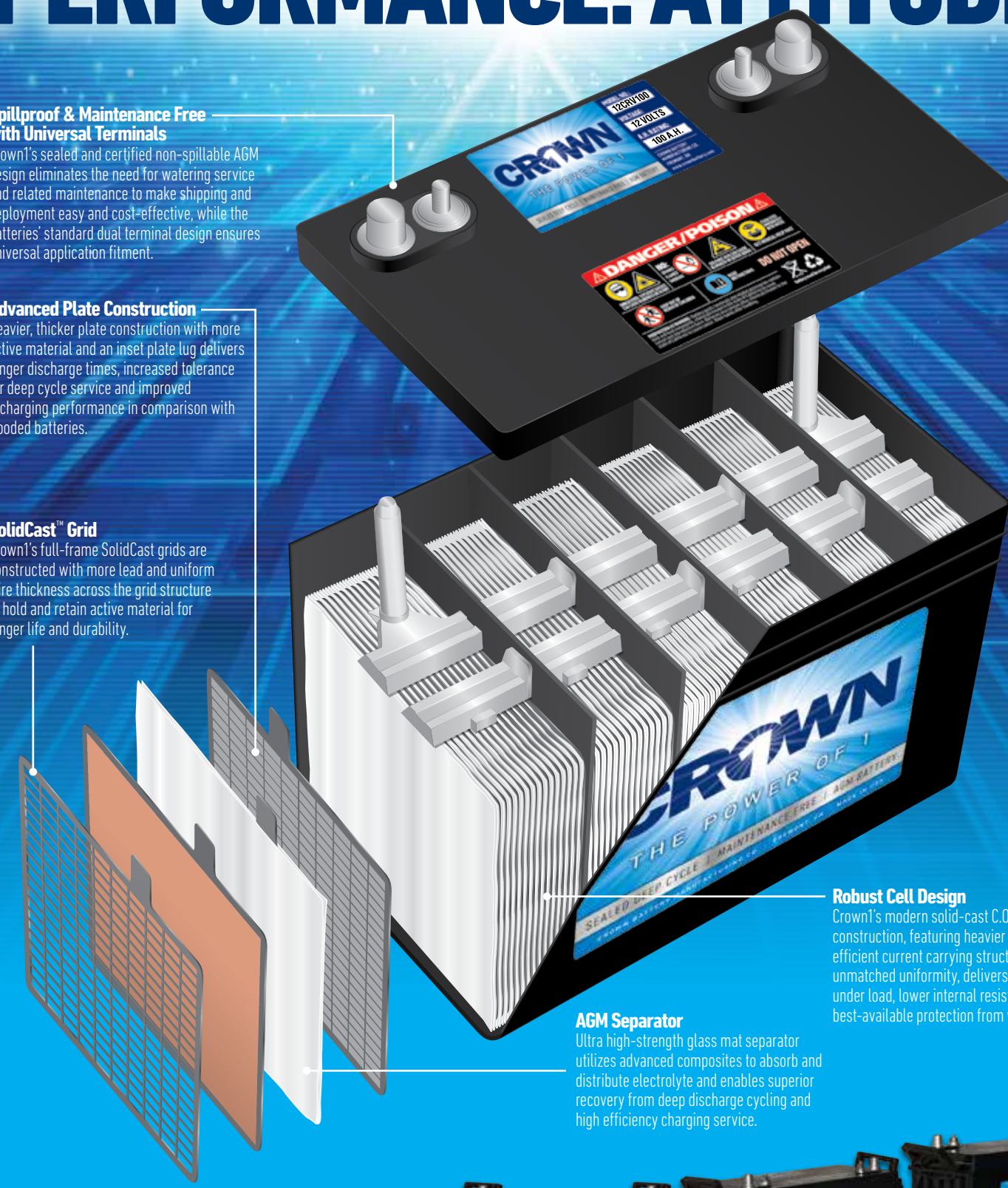
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AGM ROBOTIC CELL INSERTION PROCESS

After cells are unloaded from the assembly process using an 80-kg robot and then automatically inserted into battery containers. This process ensures cells maintain full compression and are seated firmly inside the battery container prior to final assembly.

CROWN1. The unique engineering integrity of our manufacturing process is unmatched. Worldwide.



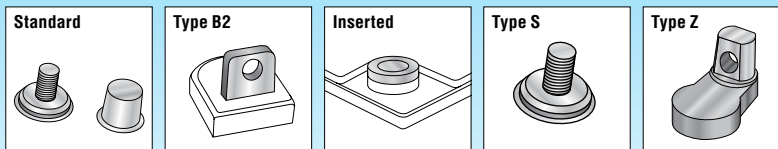
CROWN™ THE POWER OF 1

Product Specifications

BCI Group Size	Model Reference	Electrical Capacity		RC Minutes	Terminal Type	Inches				Millimeters				Weight	
		20 Hr Rate	5 Hr Rate			Length	Width	Container Height	Terminal Height	Length	Width	Container Height	Terminal Height	Lbs	Kgs
6 VOLT SEALED DEEP CYCLE BATTERIES															
GC2	6CRV220	220	190	105 / 75A	Standard	10.25	7.06	9.70	10.94	260	179	246	278	66	29.9
6V - 27	6CRV215	215	185	115 / 75A	Inserted	12.05	6.89	7.96	8.08	306	175	202	205	60	27.2
GC2H	6CRV260	260	222	150 / 75A	Standard	10.24	7.13	10.37	11.38	260	181	264	289	79	35.7
902	6CRV330	330	285	215 / 75A	Standard	11.62	7.01	13.59	14.59	295	178	345	371	103	46.9
903	6CRV390	390	335	255 / 75A	Standard	11.62	7.01	15.91	16.75	295	178	404	430	127	57.5
8 VOLT SEALED DEEP CYCLE BATTERIES															
GC8	8CRV165	165	130	115 / 56A	Standard	10.24	7.17	10.48	11.48	260	182	266	292	66	29.8
12 VOLT SEALED DEEP CYCLE BATTERIES															
U1L	12CRV33	33	28	30 / 25A	B2	7.68	5.12	5.95	7.36	195	130	151	187	22	10.0
22NF	12CRV55	55	47	85 / 25A	Type Z	9.02	5.43	8.39	9.33	229	138	213	237	37	17.0
24	12CRV80	80	69	140 / 25A	Standard	11.26	6.75	8.12	9.38	286	171	206	238	51	23.1
27	12CRV100	98	85	170 / 25A	Standard	13.00	6.75	8.12	9.38	330	171	206	238	59	26.8
31	12CRV110	110	95	200 / 25A	Standard	13.00	6.75	8.54	9.44	330	171	217	240	60	27.2
	12CRV110S	110	95	200 / 25A	Type S	13.00	6.75	8.54	9.44	330	171	217	240	60	27.2
920	12CRV135	135	116	85 / 75A	Standard	13.39	6.81	11.14	12.17	340	173	283	309	95	43.3
921	12CRV230	230	198	130 / 75A	Standard	15.52	7.01	13.51	14.53	394	178	343	369	145	66.0
4D	12CRV4D	160	152	340 / 75A	Standard	20.87	8.23	8.43	9.45	530	209	214	240	123	56.0
8D	12CRV8D	240	206	500 / 75A	Standard	20.52	10.59	7.99	9.02	521	269	203	229	162	73.5

Because Crown Battery is continually improving its products, specifications are subject to change without notice.

Available Terminals



#1 FOR TOTAL PERFORMANCE

Purpose Built:

Solving complex application challenges that keep people safe and delivers reliable power to complete essential work.



- ▶ All Critical Applications
- ▶ Maintenance Free
- ▶ Super Clean AGM Lead Batteries
- ▶ Safest, Most Sustainable Energy Storage Option
- ▶ Robust Design Tolerates Deep Discharge
- ▶ Sealed, Spillproof and Easy to Deploy

The Power Behind Performance



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