

# MAX

G2

## SUPER. POWER.



LONG-LASTING / HIGHER CAPACITY / BETTER CYCLE PERFORMANCE

# MAX

G2

# extra Power. extra Cool. extra Long.

## APPLICATIONS:

- ▶ High demand applications
- ▶ Extended shift operations
  - One or two 10-12 hour shifts
- ▶ Cold storage

## FLAT-PLATE CHARACTERISTICS:

- ▶ Good electrical performance
- ▶ Long cycle and battery life
- ▶ Tough and more durable in applications with vibration
- ▶ Better reserve of AM (active material) for longer life
- ▶ Better distribution of lead mass (grid) for current distribution and longer grid life

## TUBULAR PLATE CHARACTERISTICS:

- ▶ Good electrical performance claiming "higher" voltage
- ▶ Greater surface area exposes more AM to electrolyte
- ▶ Concentrated lead mass in splines decreases alternative paths for current distribution
- ▶ Less insulating and compressive materials lead to poor vibration tolerance

## The Best of 'Both' Worlds

Innovating a new cell design that combines the best that tubular and flat-plate have to offer.

**MAX** delivers the reliability and tough, long-lasting performance of traditional flat-plate batteries...with the higher capacity and cycle performance claimed by tubular plate batteries.

With eight years of engineering development and extensive testing, the **MAX** design outperformed similar high-capacity tubular batteries in side-by-side field trials. In very tough conditions it ran longer and cooler than the competition - which means more production and longer life.

**MAX** by Crown. The world's "super-power" in industrial batteries for material handling and mining equipment.



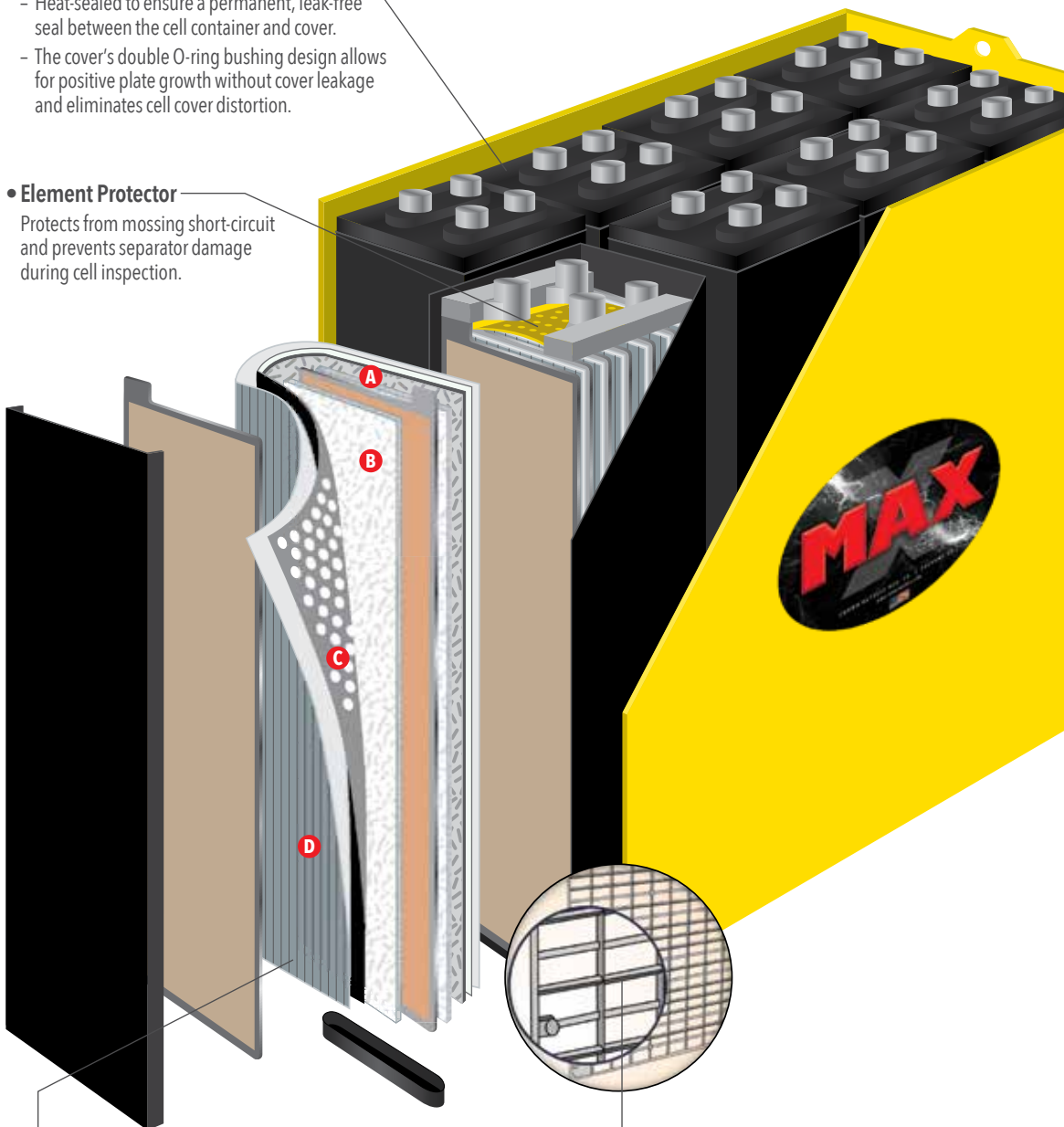
# extra Power

## • 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

- Protects 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 is a perforated wrap 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.

## • 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.

## • Plate Construction

The MAX battery's plate design combines three integrated features for superior electrical performance and longevity.

- Staggered 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.
- MAX's active material is manufactured with premium lead oxide applied uniformly and temperature cured in computer-controlled curing ovens that assure optimum product performance and life.

## TRADITIONAL CROWN BATTERY

Model No.	Jar Height	Amps
85S-13	20.5"	510

## STANDARD

(SAME SIZE CELL)

## CROWN'S NEW MAX BATTERY

Model No.	Jar Height	Amps
105MX-13	20.5"	630

## MAX

## TRADITIONAL CROWN BATTERY

Model No.	Jar Height	Amps
125S-13	28.5"	750

## STANDARD

(SAME SIZE CELL)

## CROWN'S NEW MAX BATTERY

Model No.	Jar Height	Amps
145MX-13	28.5"	870

## MAX



**UP TO 23%**  
**extra Power**  
**THAN STANDARD CELLS**



## BEST OF 'BOTH' WORLDS For Motive Power Needs

Cell Type	AH Cap. @ 6 Hr Rate	KWH @ 6 Hr Rate	Approx Trayed Weight / Cell
105MX-05	210	0.407	38
105MX-07	315	0.611	51
105MX-09	420	0.815	64
105MX-11	525	1.019	79
105MX-13	630	1.222	87
105MX-15	735	1.426	102
105MX-17	840	1.630	116
105MX-19	945	1.833	130
105MX-21	1050	2.037	139
105MX-23	1155	2.241	158
105MX-25	1260	2.444	169
105MX-27	1365	2.648	182
105MX-29	1470	2.852	197
105MX-31	1575	3.056	209
105MX-33	1680	3.259	225

145MX-05	290	0.563	62
145MX-07	435	0.844	74
145MX-09	580	1.125	88
145MX-11	725	1.407	107
145MX-13	870	1.688	122
145MX-15	1015	1.969	142
145MX-17	1160	2.250	160
145MX-19	1305	2.532	181
145MX-21	1450	2.813	205
145MX-23	1595	3.094	224
145MX-25	1740	3.376	240
145MX-27	1885	3.657	256
145MX-29	2030	3.938	272
145MX-31	2175	4.220	288
145MX-33	2320	4.501	305

- ✘ With an industrial battery product range that includes our traditional flat-plate designs plus the proprietary high-capacity MAX batteries, Crown offers customers five power choices that deliver more flexibility and best-available value for your equipment investment.
- ✘ In addition to its industry leading standard motive power batteries, Crown Battery now offers more options (Standard, OC, H2Go, OFC & MAX) for power. Combined with accessories and advanced charging strategies, these options offer the lowest total cost of ownership.
- ✘ Crown Battery has a reputation for working closely with independent agents, OEM's and equipment operators to ensure that batteries meet and exceed performance expectations. With a proven track record for battery productivity and life, Crown's batteries are the material handling and mining industry's first and best choice for motive power.

**AMP YOUR RIDE  
 GET THE MAX!**

*The Power Behind Performance*



1445 Majestic Drive | P.O. Box 990  
 Fremont, OH 43420-0990 USA  
 +1-419-334-7181 | Fax +1-419-334-7124  
 www.crownbattery.com  
 sales@crownbattery.com