

LONGER LASTING // HIGHER CAPACITY // BETTER CYCLE PERFORMANCE



# MAX<sup>G2</sup>

*untamed capacity*



**VIKING  
POWER**



# The Best of Both Worlds

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

## G2

## APPLICATIONS

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

### FLAT-PLATE CHARECTERISTICS

- › Good electrical performance
- › Long cycle & battery life
- › Tough and more durable in applications With vibration
- › Better reserve for am (active material) for longer life
- › Better distribution of lead mass (grid) for current distribution and longer grid Life

### TUBULAR PLATE CHARECTERISTICS

- › 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 compreshensive materials lead to poor vibration tolerance



### 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

- › Heat-sealed to ensure a permanent, leak-free seal between the cell container and cover.

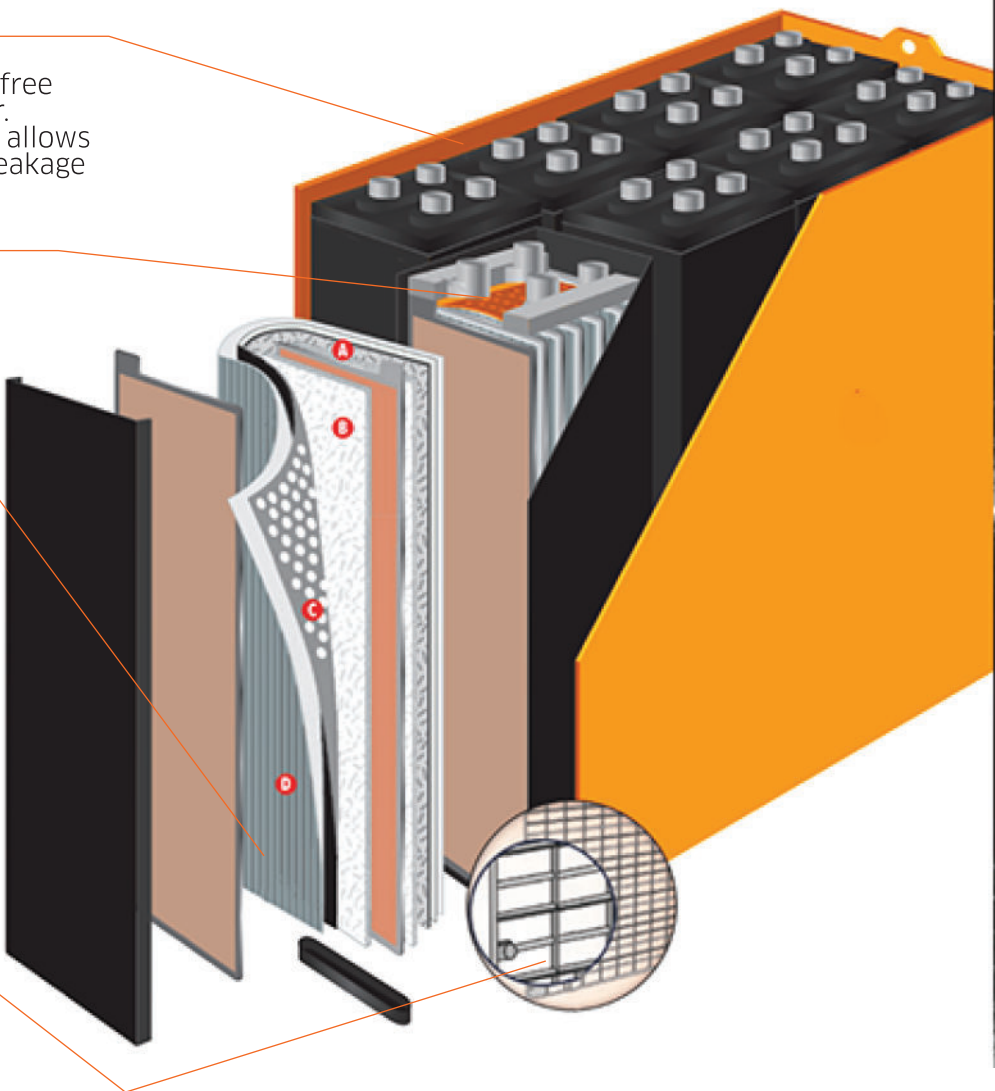
### Posi-Wrap Plate Protection

- › Vertical Double Mat Slyver Wrap becomes embedded into the plate surface to ensure complete active material retention for longevity.
- › Horizontal Glass Mat Wrap provides a secondary layer of active material retention.
- › 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.
- › The Sleeve Separator is a high-porosity sleeved separator that delivers a final layer of insulation from direct plate-to-plate contact and mousing.

### 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.



### 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.

#### Standard Viking Battery

SAME CELL SIZE

Model #	Model No	Model No
85S-13	20.5"	510

#### MAX Viking Battery

Model #	Model No	Model No
105MX-13	20.5"	630

#### Standard Viking Battery

SAME CELL SIZE

Model #	Model No	Model No
125S-13	28.5"	750

#### MAX Viking Battery

Model #	Model No	Model No
145MX-13	28.5"	870

# Best of BOTH Worlds

## For Motive Power Needs

- ▶ With an industrial battery product range that includes our traditional flat-plate designs plus the proprietary high-capacity MAX batteries, Viking 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, Viking 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.
- ▶ Viking 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, Viking's batteries are the material handling and mining industry's first and best choice for motive power.



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**800.575.6808**

**vikingpwr.com**

Cell Type	AH @ 6 HR Rate	KWH @ 6 HR Rate	Apprx. 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	1790	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