



# ALL GUTS. ALL GLORY.

IT'S WHAT'S INSIDE THAT MATTERS

## POSITIVE GRID

Thirteen vertical wires are cast from premium antimonial alloy and designed to withstand the rigors of deep cycling and maximum current capabilities. Offset internal wires are designed for less internal resistance and maximum active material retention.

## ACTIVE MATERIAL

Manufactured with premium lead oxide from our own oxide mill to exact specifications using state-of-the-art equipment, applied uniformly and cured under computer-controlled atmospheric conditions to assure optimum chemical conversion.

## VERTICAL SLYVER MAT

Wrapped vertically around the positive plate, the fiberglass strands become embedded into the plate surface for better active material retention, reducing shedding and prolonging service life.

## NEGATIVE EDGE PROTECTION

Used to ensure against shorts from the negative plate to the positive cell strap.

## HORIZONTAL GLASS MAT

Wrapped horizontally across the positive plate side to side, it supplies a secondary layer for active material retention and breaks up oxygen gas bubbles produced at the surface of the positive plates.

## SLEEVE SEPARATOR

A high porosity, sleeved separator insulates the plates from one another and eliminates missing or misaligned separators. This greatly reduces shorts caused by mossing and also improves acid circulation.

## KEROSEAL RETAINER MAT

Perforated envelope that is tightly wrapped around the two glass mats to form a binder while insulating against mossing and shorting



# Industrial Battery



## Specifications and Dimensional Data

### INDIVIDUAL CELL DIMENSIONAL DATA

#### Narrow Plate Batteries

Plate Types:  
45 - 55 - 65 - 75 - 85 - 90 - 100 - 110 - 125

NUMBER OF PLATES	CELL LENGTH INCHES	CELL WIDTH INCHES
5	2.00	6.19
7	2.75	
9	3.50	
11	4.25	
13	5.00	
15	5.75	6.25
17	6.50	
19	7.25	
21	8.00	
23	8.75	
25	9.50	
27	10.25	
29	11.00	
31	11.75	
33	12.50	

### Assembled Cell Dimensional Data Ratings

PLATE TYPE (AH PER POSITIVE PLATE)	HEIGHT WITHOUT COVER	HEIGHT WITH COVER	STANDARD JAR HEIGHT
45	15.00	15.63	13.00
55	17.63	18.38	15.75
60	17.63	18.38	15.75
65	18.63	19.12	16.63
75	22.88	23.25	20.50
85	22.88	23.25	20.50
90L	22.94	23.38	20.81
90	25.63	26.38	23.25
100	25.63	26.25	23.25
110	30.50	31.00	28.50
125	30.50	31.00	28.50
160	30.50	31.00	28.50

#### Wide Plate Batteries

Plate Types:  
160

NUMBER OF PLATES	CELL LENGTH INCHES	CELL WIDTH INCHES	BATTERY AH CAPACITY	CABLE SIZE
9	3.50	8.620	0-150	#4
11	4.25		151-374	#2
13	5.00		375-510	#1
15	5.75		510-680	1/0
17	6.50		681-850	2/0
19	7.25		850-1040	3/0
21	8.00		1041-1500	4/0

#### Cable Sizes for Assembled Batteries

800.575.6808  
vikingpwr.com

