

**MORE POWER - LESS SPACE®**



# unigy I

## 12AVR100

- Exclusive IPF® technology optimizes power capacity, cell consistency, and long-term reliability
- Advanced AGM technology for superior power
- Puncture resistant micro-porous glass mat separators extend life
- Reinforced case resists bulging and meets safety requirements (UL 94 V-0)
- Case & cover heat sealed and 100% tested to prevent leaks
- Epoxy sealed posts eliminate leaks
- Flame arresting, low-pressure, self-sealing valves are 100% factory tested
- Computer-aided design and manufacturing control processes and standards to ensure quality products
- All batteries meet or exceed IEEE recommended practices
- Battery design and construction meet UL recognition requirements
- Plate thickness optimized for long life
- Guaranteed 100% initial string capacity when tested in accordance with IEEE 1188
- Designed to meet GR4228 specifications
- 48 volt system fits in 23" relay rack tray



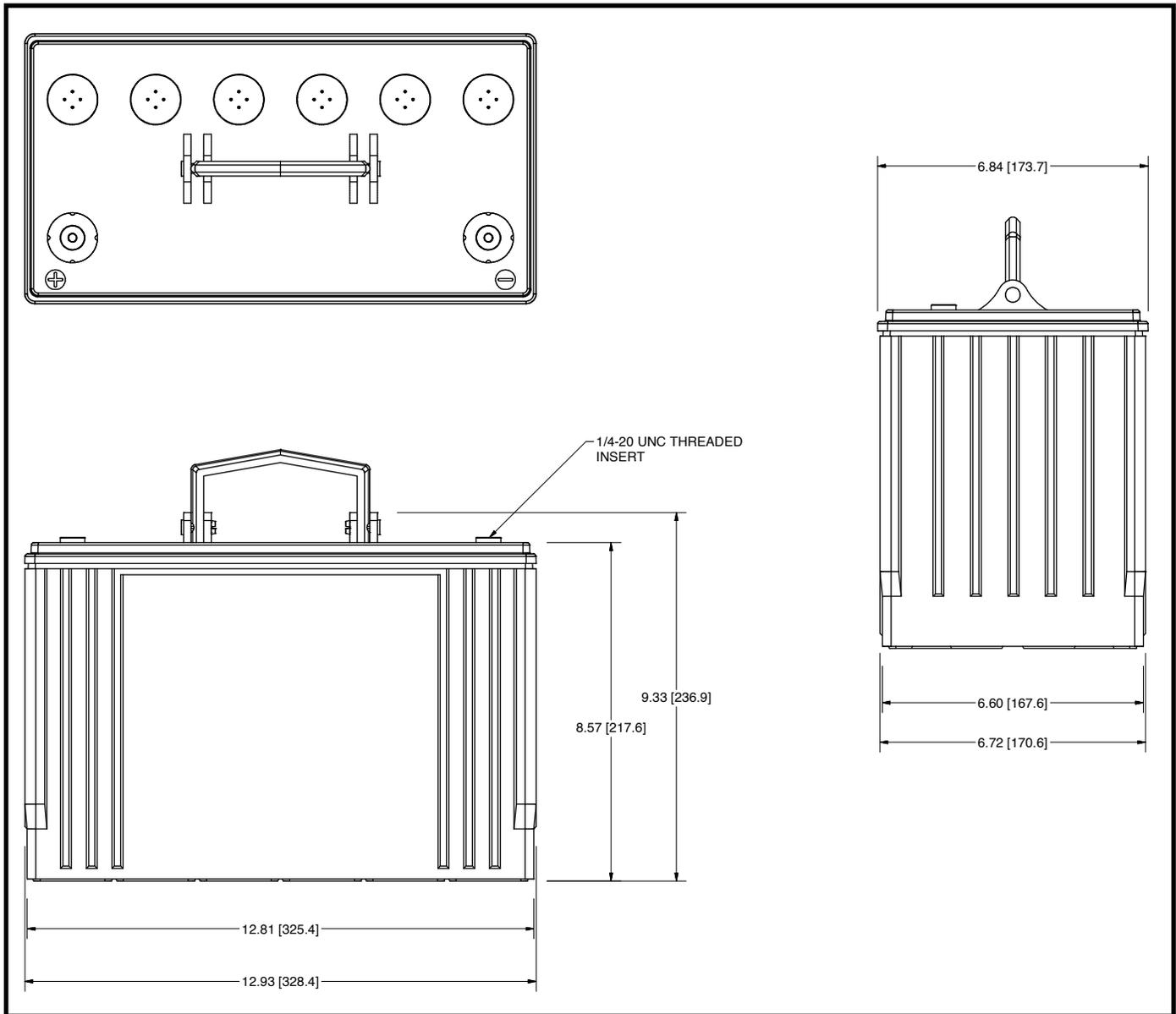
### SPECIFICATIONS

- |   |  |
|---|--|
| <b>Nominal Voltage:</b> 12-Volts  | <b>Safety Vent:</b> Low positive pressure, self-sealing w/ flame arrestor                              |
| <b>Rating:</b> 94.1 Ampere-Hours @ 8 hr. rate to 1.75 V.P.C.              | <b>Float Voltage:</b> 2.25 V.P.C. ± 0.01 V.P.C. @ 77°F (25°C)  |
| <b>Positive Plate:</b> >98% Pure lead with tin-calcium alloy              | <b>Design life:</b> 10 years in float applications @ 77°F (25°C)                                       |
| <b>Negative Plate:</b> Pure lead, calcium alloy                           | <b>Dimensions:</b> Length - 12.93" (328.4 mm)<br>Width - 6.84" (173.7 mm)<br>Height - 9.33" (236.9 mm) |
| <b>Post Seal:</b> Epoxy-sealed  | <b>Weight:</b> 71 lbs. (32 kg)   |
| <b>Terminal:</b> Top access, 1/4" – 20 threaded insert                    |  |
| <b>Case/Cover:</b> Flame-retardant, polypropylene – UL 94 V-0/>28% L.O.I. |  |

### DISCHARGE RATINGS IN AMPS @ 77°F (25°C)†

Volts per Cell (V.P.C.)	1 HR.	2 HR.	3 HR.	4 HR.	5 HR.	8 HR.	12 HR.	20 HR.	24 HR.
1.75	68.5	39.0	27.8	21.6	17.9	11.8	8.2	5.1	4.3
1.80	67.8	38.7	27.5	21.5	17.7	11.7	8.1	5.1	4.3
1.85	66.2	38.0	27.0	21.1	17.4	11.5	8.0	5.0	4.2
1.88	62.2	35.8	25.6	20.1	16.6	11.0	7.7	4.8	4.1
1.90	60.3	34.5	24.6	19.3	15.9	10.5	7.3	4.6	3.9

†Subject to change without notice.



## INSTALLATION AND OPERATING INSTRUCTIONS

• <http://www.eastpennmanufacturing.com/wp-content/uploads/Unigy-I-IO-Manual-0902.pdf>



[www.dekabatteries.com](http://www.dekabatteries.com)

QUALITY SYSTEM  
CERTIFIED  
**ISO 9001**  
**ISO/TS 16949**  
ENVIRONMENTAL  
SYSTEM CERTIFIED  
**ISO 14001**

**UL**  
UL Recognized Component



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