

**MORE POWER - LESS SPACE®**



# unigy I®

## 12AVR30

- 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 19" relay rack tray



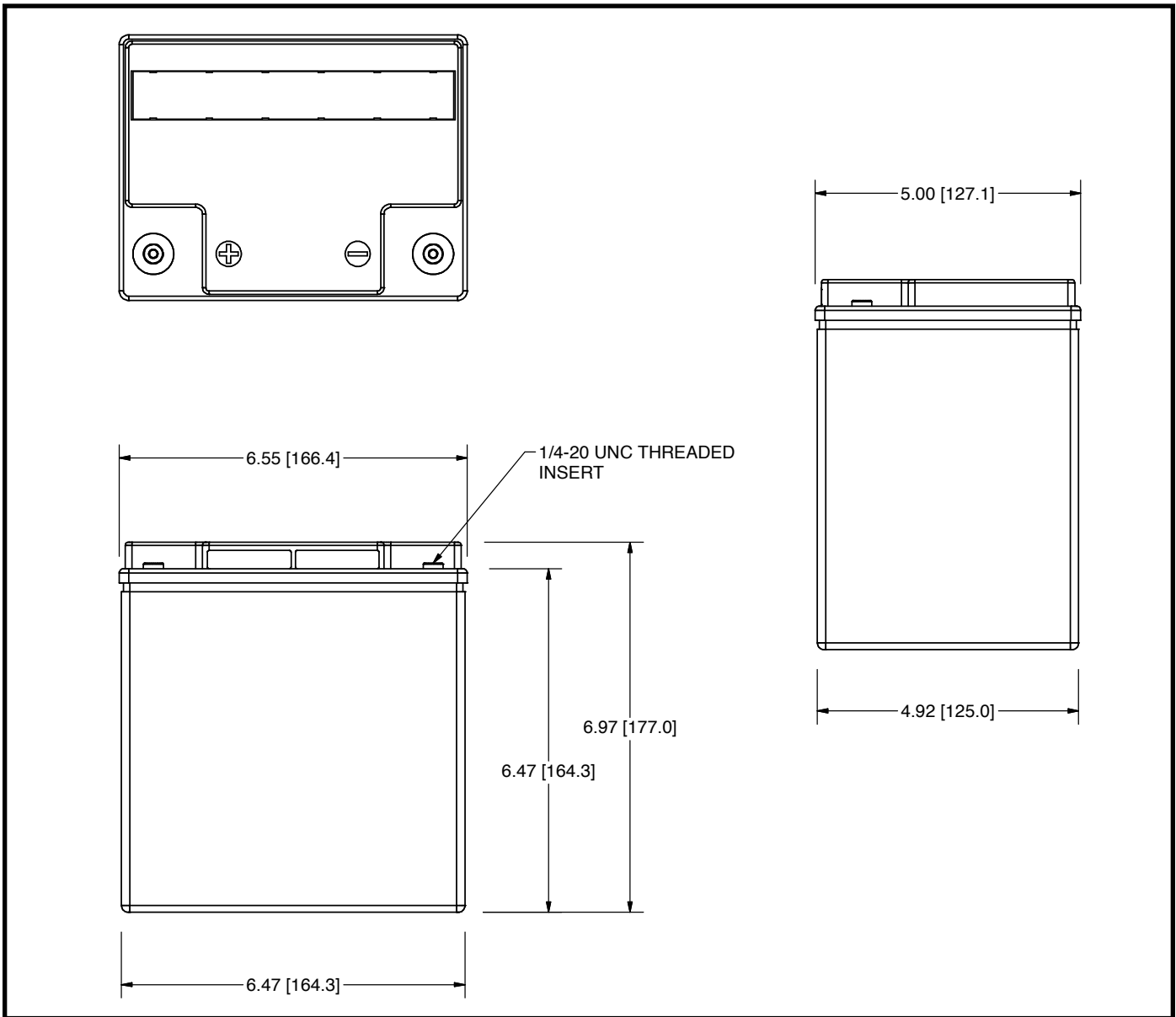
### SPECIFICATIONS

- |   |  |
|---|--|
| <b>Nominal Voltage:</b> 12-Volts  | <b>Safety Vent:</b> Low positive pressure, self-sealing w/ flame arrestor                              |
| <b>Rating:</b> 27 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)<br>Range: (13.44V to 13.56V per battery) |
| <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 - 6.55" (166.4 mm)<br>Width - 5.00" (127.1 mm)<br>Height - 6.97" (177.0 mm)  |
| <b>Post Seal:</b> Epoxy-sealed  | <b>Weight:</b> 22 lbs. 10 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)<sup>†</sup>

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	18.2	10.7	7.7	6.1	5.1	3.4	2.4	1.5	1.3
1.80	17.8	10.6	7.6	6.0	5.0	3.3	2.3	1.5	1.2
1.85	17.4	10.3	7.4	5.9	4.9	3.3	2.3	1.4	1.2
1.88	16.6	9.9	7.1	5.6	4.7	3.1	2.2	1.4	1.2
1.90	16.1	9.6	6.9	5.5	4.5	3.0	2.1	1.3	1.1

<sup>†</sup>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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