

**MORE POWER - LESS SPACE®**



# unigy I®

## 12AVR90

- Exclusive IPF® technology optimizes power capacity, cell consistency, and long-term reliability
- Advanced AGM technology for superior high-rate power
- Puncture resistant micro-porous glass mat separators extend life
- Front access design for easy installation and maintenance
- 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> 82.1 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 - 12.01" (305.2 mm)<br>Width - 6.56" (166.7 mm)<br>Height - 8.24" (209.3 mm) |
| <b>Post Seal:</b> Epoxy-sealed  | <b>Weight:</b> 64.5 lbs. (29 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	57.3	33.2	23.9	18.7	15.5	10.3	7.1	4.4	3.7
1.80	55.3	32.5	23.4	18.4	15.2	10.1	7.0	4.3	3.7
1.85	51.8	30.8	22.2	17.5	14.5	9.6	6.7	4.2	3.5
1.88	48.7	29.1	21.1	16.6	13.8	9.2	6.4	4.0	3.3
1.90	45.7	27.7	20.1	15.9	13.2	8.7	6.1	3.8	3.2

†Subject to change without notice.

