

MORE POWER - LESS SPACE®

Deka®



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
- UL 1973 Certification for Energy Storage applications



SPECIFICATIONS

Nominal Voltage: 12-Volts
Rating: 94.1 Ampere-Hours
 @ 8 hr. rate to 1.75 V.P.C.
Positive Plate: >98% Pure lead with tin-calcium alloy
Negative Plate: Pure lead, calcium alloy
Post Seal: Epoxy-sealed
Terminal: Top access, 1/4" – 20 threaded insert
Case/Cover: Flame-retardant, polypropylene –
 UL 94 V-0/>28% L.O.I.

Safety Vent: Low positive pressure,
 self-sealing w/ flame arrestor
Float Voltage: 13.50V per battery ± 0.5% @ 77°F (25°C)
Range: 13.42V to 13.57V per battery
Design life: 10 years in float applications @ 77°F (25°C)
Dimensions: Length - 12.93" (328.4 mm)
 Width - 6.84" (173.7 mm)
 Height - 9.33" (236.9 mm)
Weight: 71 lbs. (32 kg)

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.

