

MORE POWER - LESS SPACE®

Deka®



unigy I®

12AVR90

- 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

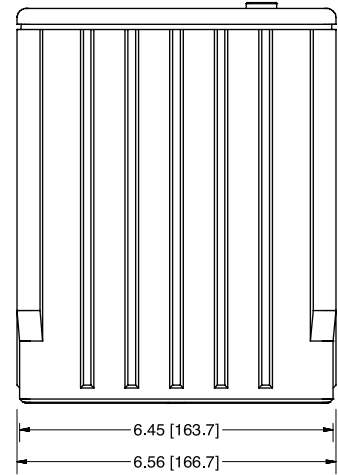
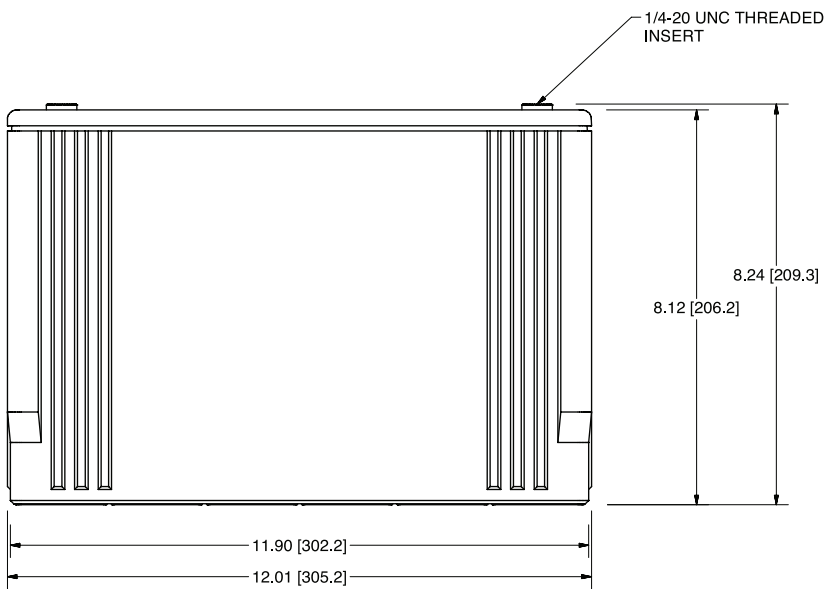
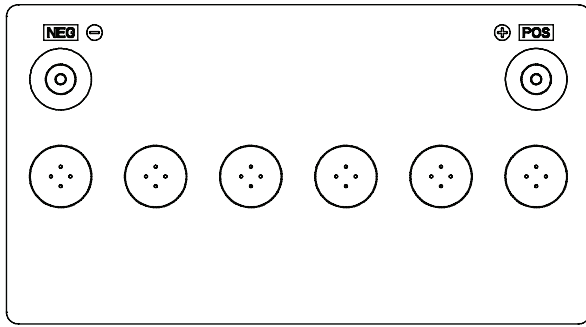
Nominal Voltage: 12-Volts
Rating: 82.1 Ampere-Hours
 @ 8 hr. rate to 1.75 V.P.C.
Positive Plate: >98% Pure lead with tin-calcium alloy
Negative Plate: Pure lead, calcium alloy
Post Seal: Epoxy-sealed
Terminal: Top access, 1/4" – 20 threaded insert
Case/Cover: Flame-retardant, polypropylene –
 UL 94 V-0/>28% 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 - 12.01" (305.2 mm)
 Width - 6.56" (166.7 mm)
 Height - 8.24" (209.3 mm)
Weight: 64.5 lbs. (29 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	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.



INSTALLATION AND OPERATING INSTRUCTIONS

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



www.dekabatteries.com

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

UL
®
UL Recognized Component



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E.P.M. Form No.0384 1/25

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