

MORE POWER - LESS SPACE®

Deka®

unigy I®



12AVR100ET

- 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
- 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 GR-4228 specifications
- 48 volt system fits in 19" relay rack tray
- UL 1973 Certification for Energy Storage applications



SPECIFICATIONS

Nominal Voltage: 12-Volts

Rating: 96 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: Front 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: 13.62V per battery ± 0.5% @ 77°F (25°C)
Range: 13.55V to 13.69V per battery

Design life: 10 years in float applications @ 77°F (25°C)

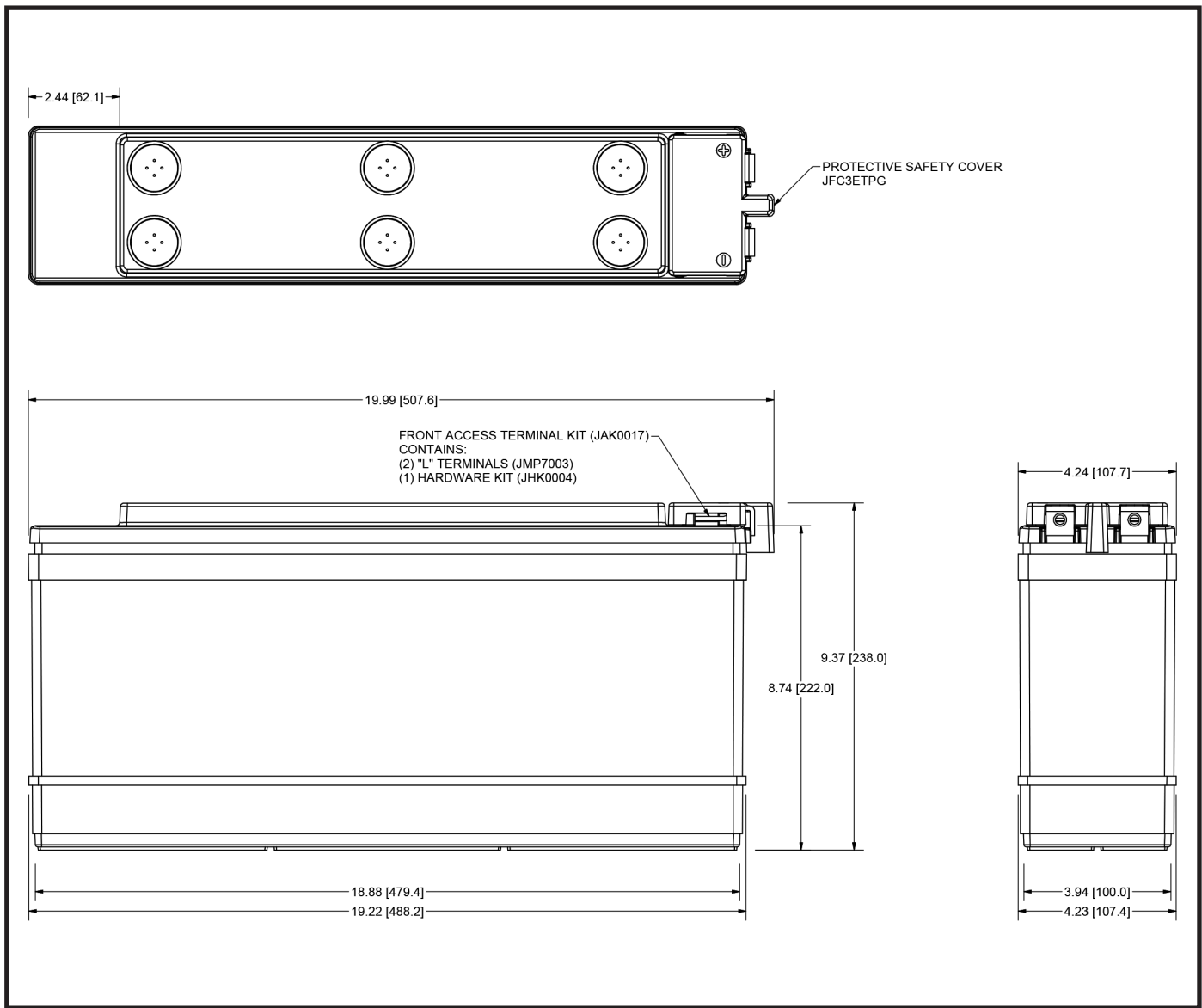
Dimensions: Length - 19.99" (507.6mm)
Width - 4.24" (107.7mm)
Height - 9.37" (238.0mm)

Weight: 69 lbs. (31 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	63.3	38.0	27.0	21.2	17.6	12.0	8.5	5.4	4.6
1.80	62.5	37.6	26.8	21.0	17.4	11.9	8.4	5.4	4.5
1.85	60.8	36.7	26.2	20.6	17.1	11.7	8.3	5.2	4.4
1.88	58.8	35.6	25.5	20.1	16.7	11.4	8.1	5.1	4.3
1.90	57.2	34.9	24.8	19.6	16.3	11.1	7.8	5.0	4.2

[†]Subject to change without notice.



INSTALLATION AND OPERATING INSTRUCTIONS

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

PROPOSITION 65 WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. **WASH HANDS AFTER HANDLING.**



www.dekabatteries.com



QUALITY SYSTEM
CERTIFIED
ISO 9001
IATF 16949
ENVIRONMENTAL
SYSTEM CERTIFIED
ISO 14001



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