

**MORE POWER – LESS SPACE™**



**HIGH RATE SERIES**

**45HR2000**

- **Exclusive IPF® Technology optimizes power capacity, cell consistency, and long-term reliability**
- Advanced AGM technology for superior high rate, short term power
- 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
- Puncture resistant micro-porous glass mat separators extend life
- Flame arresting, low pressure, self-sealing valves are 100% factory tested
- Computer-aided design, 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



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



**SPECIFICATIONS**

**Nominal Voltage:** 12-Volt/168 w.p.c.  
 @ 15 min. rate to 1.67 v.p.c.

**Positive Plate:** Pure lead, low-calcium, high-tin alloy

**Negative Plate:** Lead calcium alloy

**Post Seal:** Epoxy-sealed

**Terminal:** Top access,  
 1/4" - 20 threaded insert

**Container:** Flame-retardant, polypropylene -  
 UL 94 V-0/>28% L.O.I.

**Safety Vent:** Low positive pressure,  
 self-sealing w/ flame arrestor

**Float Voltage:** 2.25 v.p.c. ± 0.01 v.p.c. (Range: 13.44  
 to 13.56 volts per 6-cell battery)

**Design Life:** 10 years in float applications  
 at 77°F (25°C)

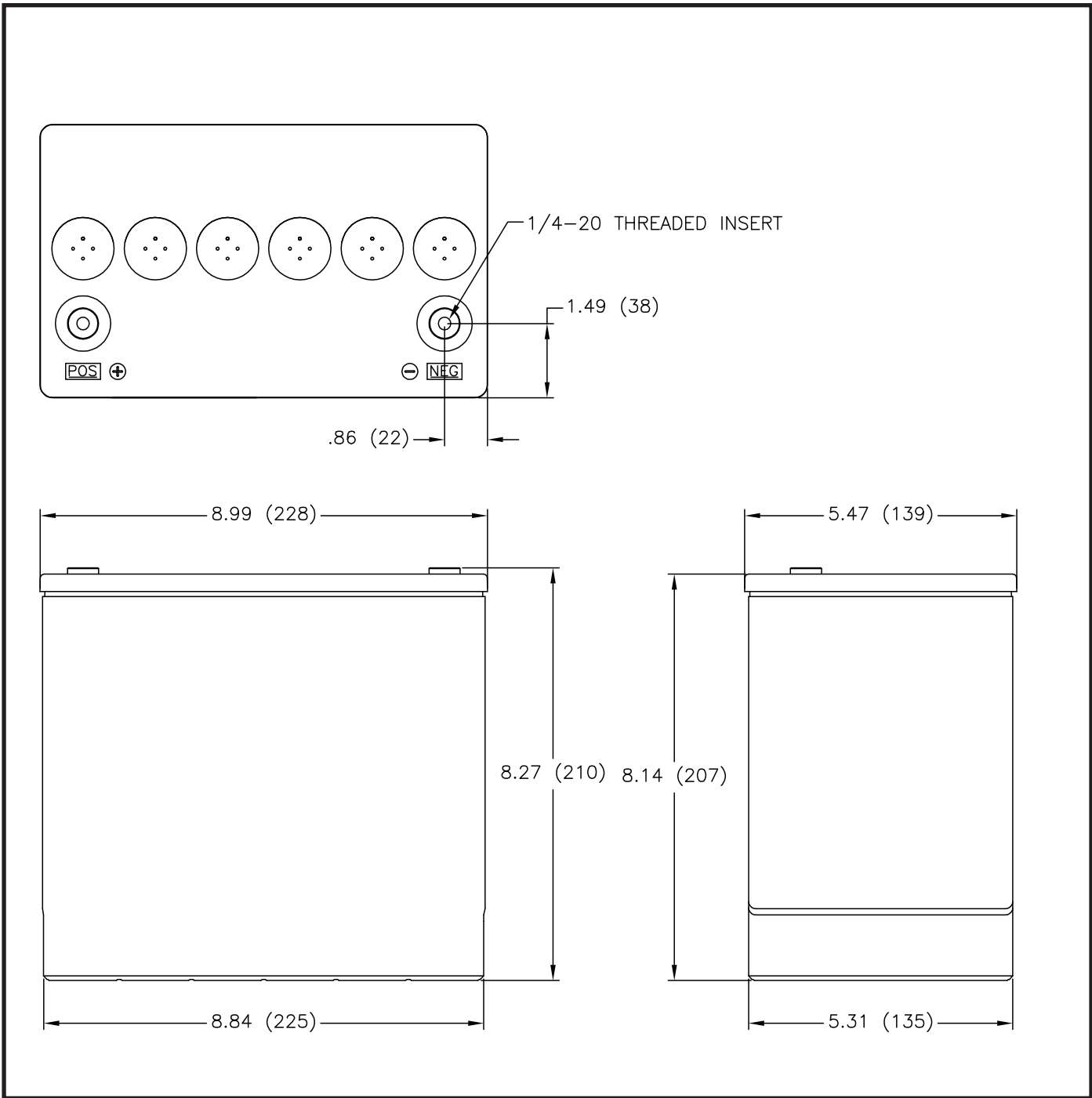
**Dimensions:** 8.99" (228 mm) L  
 x 5.47" (139 mm) W  
 x 8.27" (210 mm) H

**Weight:** 40 lbs. (18 kg)

**DISCHARGE RATE IN WATTS PER CELL RATINGS @ 77°F (25°C)†**

Volts Per Cell (VPC)	1 MIN.	5 MINS.	10 MINS.	15 MINS.	20 MINS.	30 MINS.	40 MINS.	50 MINS.	60 MINS.
1.60	569	322	222	172	141	105	84.5	71.5	62.3
1.67	526	308	216	168	138	104	83.6	70.7	61.6
1.70	500	300	212	166	137	103	83.0	70.1	61.0
1.75	472	286	205	161	134	101	81.7	69.0	60.2
1.80	—	253	189	151	127	96.9	78.9	66.9	58.4

† Subject to change without notice.



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