

MORE POWER – LESS SPACE™



HIGH RATE SERIES

31HR5000

- **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



UL Recognized Component

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



SPECIFICATIONS

Nominal Voltage: 12-Volt/475 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)

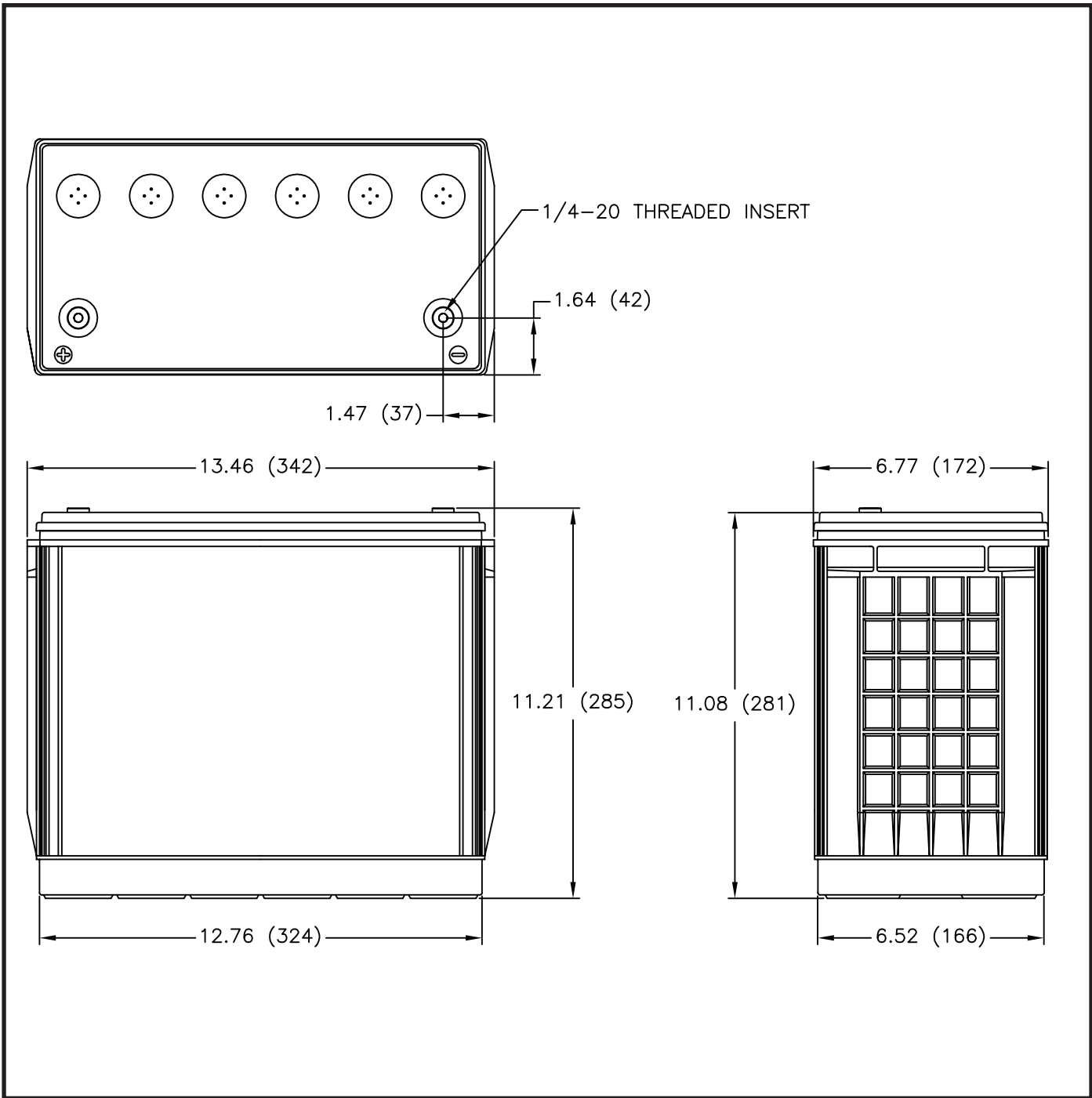
Dimensions: 13.46" (342 mm) L
 x 6.77" (172 mm) W
 x 11.21" (285 mm) H

Weight: 98 lbs. (45 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	1081	830	620	492	406	305	246	206	178
1.67	983	760	588	475	397	301	244	204	177
1.70	946	727	569	464	391	298	241	203	176
1.75	836	663	530	440	375	290	236	199	173
1.80	—	587	481	406	350	276	227	192	168

† Subject to change without notice.



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