

**MORE POWER – LESS SPACE™**



**HIGH RATE SERIES**

**HR3000**

- **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
- 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/310 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)

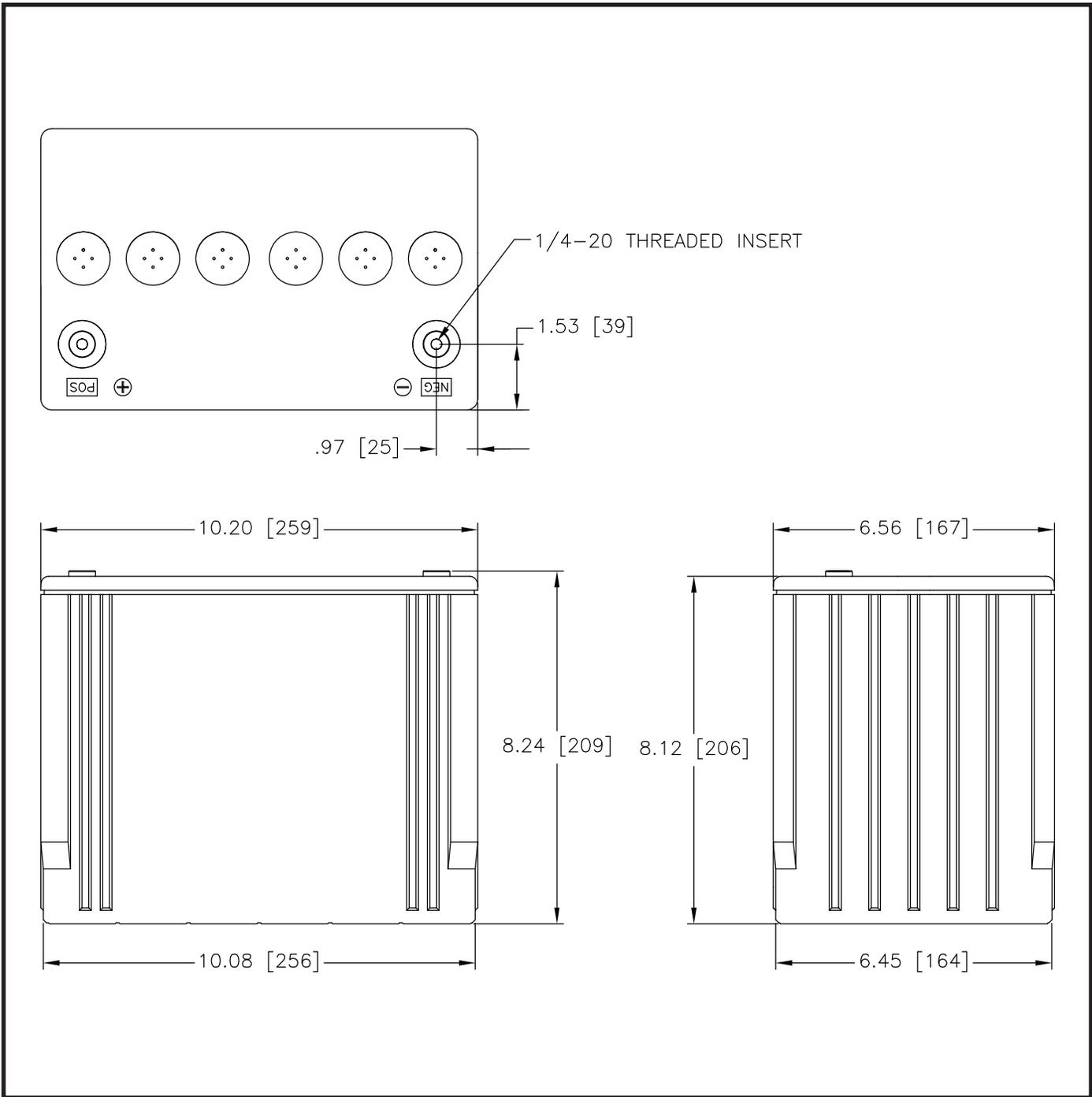
**Dimensions:** 10.20" (259 mm) L  
 x 6.56" (166 mm) W  
 x 8.24" (209 mm) H

**Weight:** 61 lbs. (27.7 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	1080	610	413	316	259	190	151	124	107
1.67	972	576	400	310	254	188	149	123	106
1.70	924	559	393	305	250	185	148	122	105
1.75	830	519	373	293	243	182	145	120	104
1.80	—	466	343	277	235	176	140	116	101

† Subject to change without notice.



## ***EAST PENN manufacturing co., inc.***

Lyon Station, PA 19536-0147 • Phone: 610-682-6361 • Fax: 610-682-4781

**Order Department Hotline: 610-682-4231**

www.eastpennunigy.com • e-mail: sales@eastpennunigy.com

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**MORE POWER – LESS SPACE™**



**HIGH RATE SERIES**

**HR3500**

- **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
- 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/370 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)

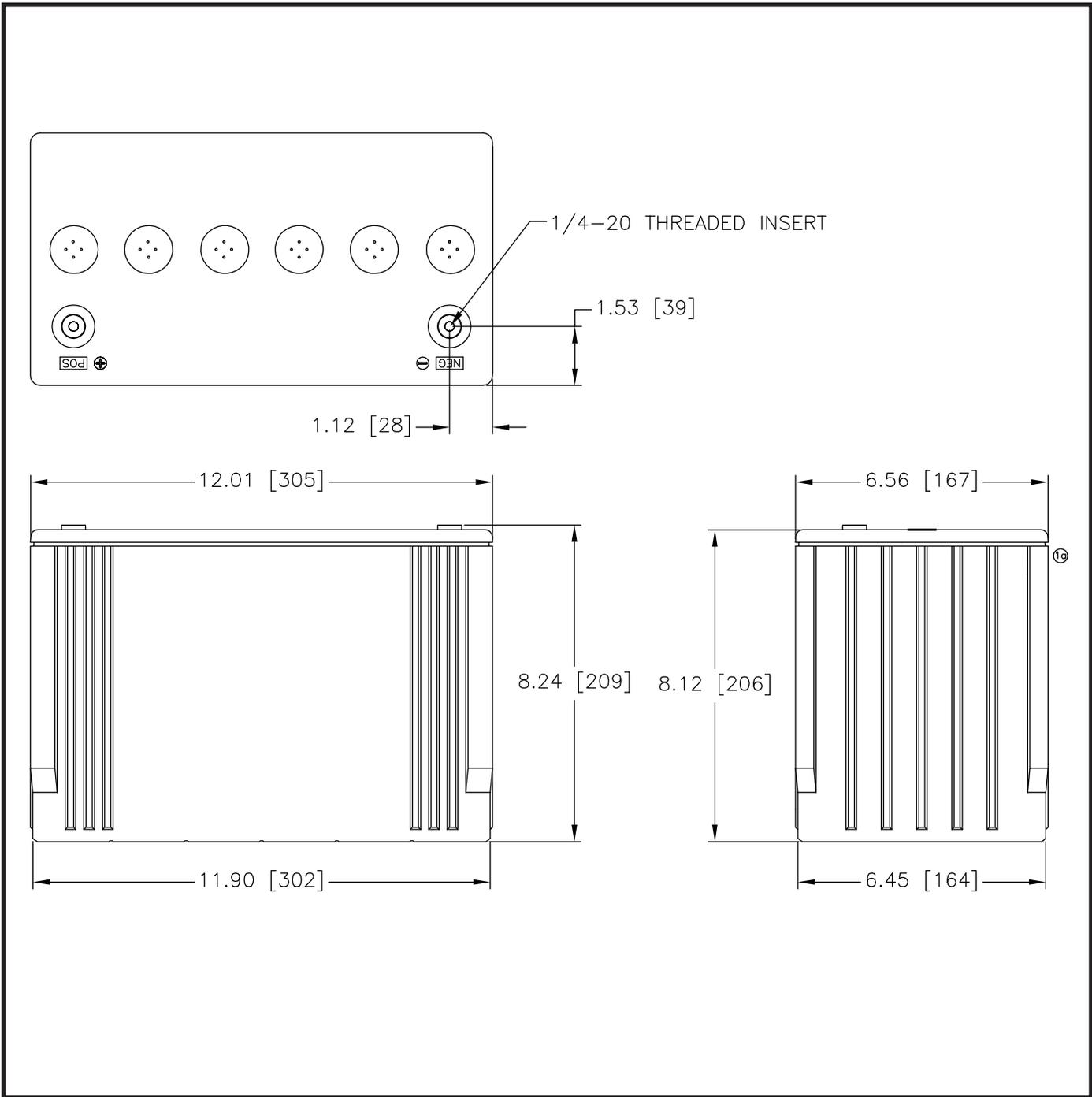
**Dimensions:** 12.01" (305 mm) L  
x 6.56" (166 mm) W  
x 8.24" (209 mm) H

**Weight:** 71 lbs. (32.2 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	1200	729	489	377	311	231	184	152	131
1.67	1063	686	475	370	305	227	181	150	130
1.70	1015	662	464	364	300	224	180	149	129
1.75	890	608	438	347	291	220	177	147	127
1.80	—	544	405	328	275	210	170	142	123

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**MORE POWER – LESS SPACE™**



**HIGH RATE SERIES**

**HR4000**

- **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
- 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/420 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)

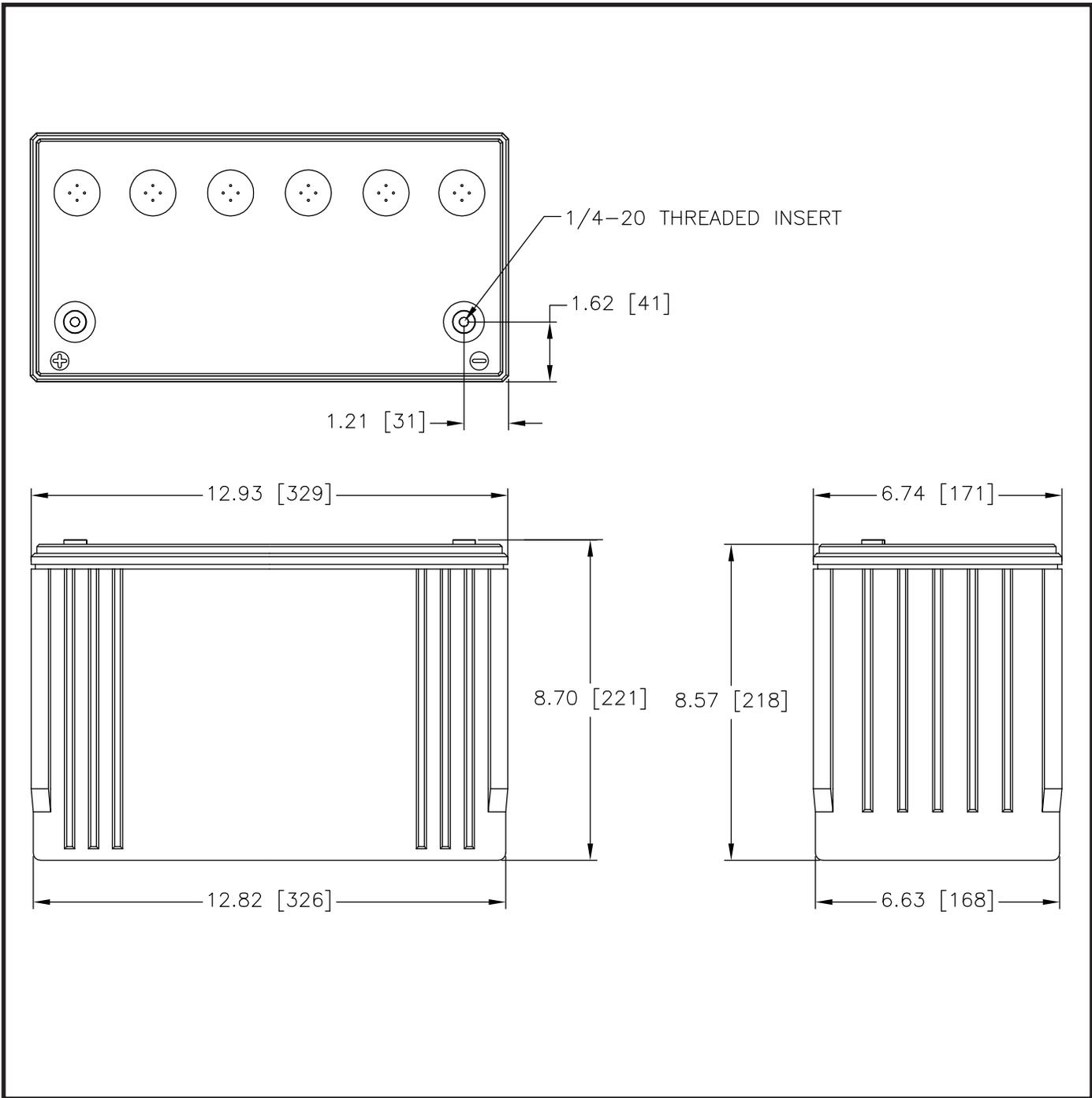
**Dimensions:** 12.93" (328 mm) L  
x 6.84" (173 mm) W  
x 8.70" (221 mm) H

**Weight:** 80 lbs. (36.2 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	1405	832	554	428	350	257	204	168	145
1.67	1227	780	541	420	344	254	202	167	143
1.70	1125	750	532	417	342	252	201	166	143
1.75	1027	705	506	404	335	249	198	163	140
1.80	—	640	471	381	316	237	191	159	138

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**MORE POWER - LESS SPACE®**



**TIER 4 RELIABILITY**

**HR5500**

- **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
- 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
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- All batteries meet or exceed IEEE recommended practices
- Battery design and construction meet UL recognition requirements



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



**SPECIFICATIONS**

**Nominal Voltage:** 12-Volt/550 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)

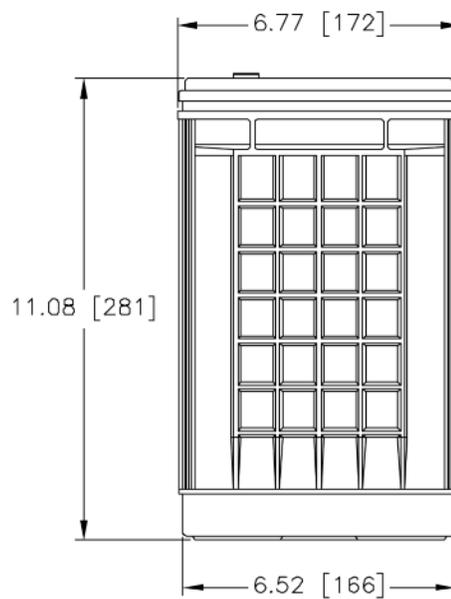
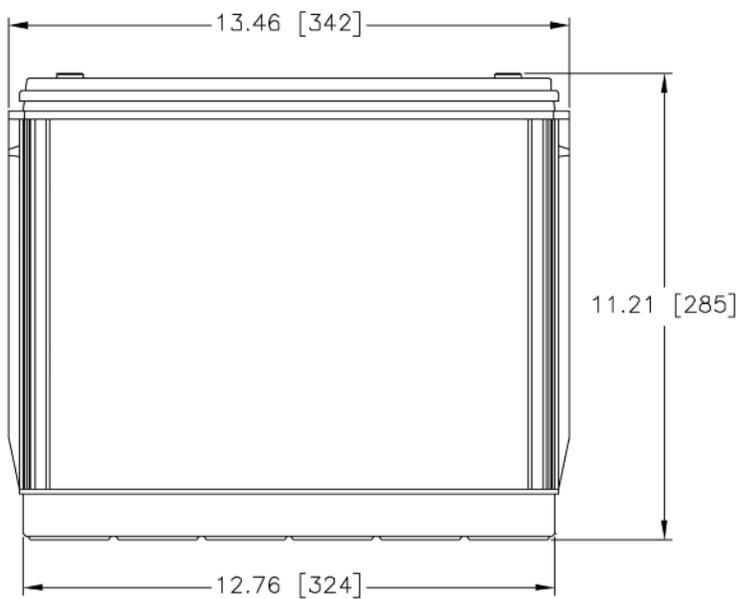
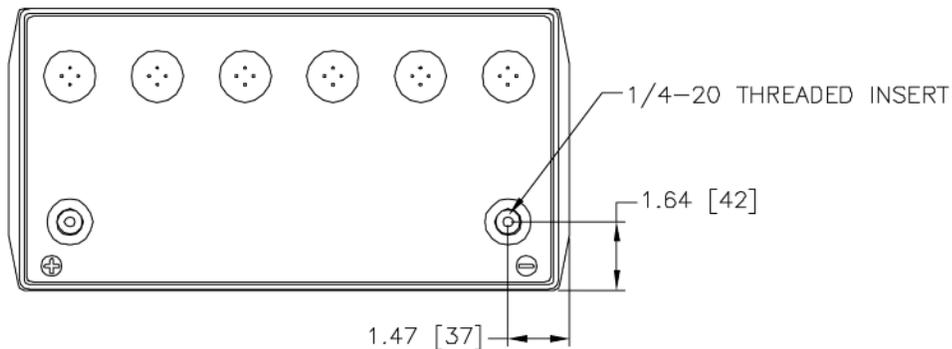
**Dimensions:** 13.46" (342 mm) L  
x 6.77" (172 mm) W  
x 11.21" (285 mm) H

**Weight:** 107 lbs. (48.5 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.	60 MINS.
1.60	1366	992	737	572	471	350	279	200
1.67	1244	914	694	550	459	345	277	199
1.70	—	849	660	536	450	341	274	198
1.75	—	782	622	504	429	330	268	196
1.80	—	701	559	467	400	312	256	188

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