

PROTECTED BY



**LIGHT-YEARS
BEYOND PURE LEAD**



HRC700C

- **Armor Alloy: Power protected lead battery technology**
- **Exclusive Compu-Press® grid technology optimizes energy transfer to maximize high-rate power**
- Microcat® Catalyst lowers float current, mitigates thermal buildup and cell dryout
- Advanced AGM technology for superior high-rate power
- Puncture resistant micro-porous glass mat separators extend life
- Reinforced case resists bulging and meets safety requirements (UL 94 V0)
- 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
- All batteries meet or exceed IEEE recommended practices
- Battery design and construction meet UL recognition requirements
- Guaranteed 100% initial string capacity when tested in accordance with IEEE 1188
- UL 1973 Certification for Energy Storage applications

SPECIFICATIONS

Nominal Voltage: 12-Volts

Rating: 670 Watts/Cell @ 5 min. rate to 1.67 V.P.C.

**Positive/
Negative Plates:** Armor Alloy

Post Seal: Epoxy-sealed

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

Case/Cover: Flame retardant, polypropylene – UL94 V0 rated per UL1778 requirements

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 - 8.23" (209.0 mm)

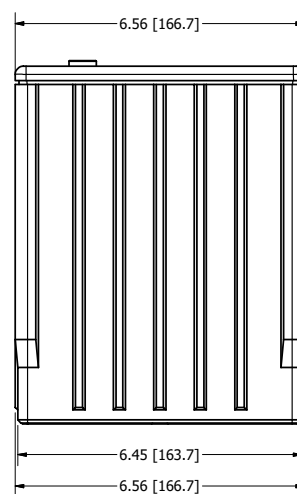
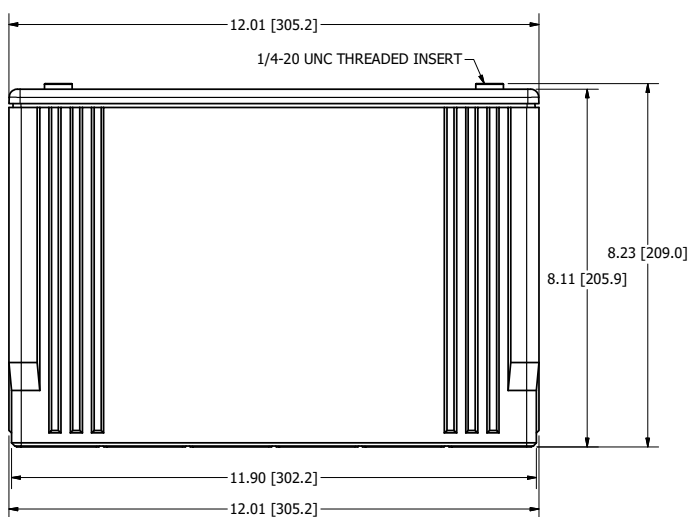
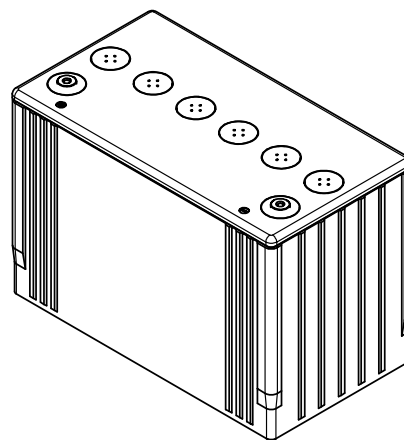
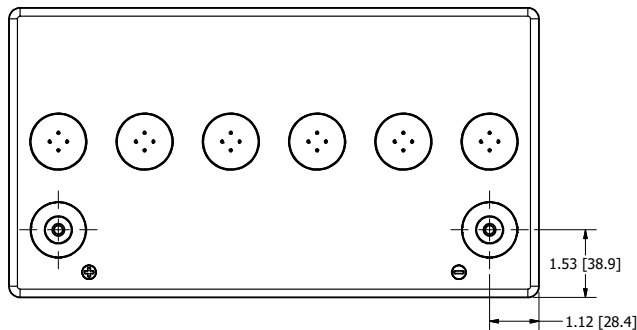
Weight: 62 lbs. (28 kg)



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

Volts per Cell (V.P.C.)	1 MIN.	5 MIN.	10 MIN.	15 MIN.	20 MIN.	30 MIN.	40 MIN.	50 MIN.	60 MIN.
1.60	1116	715	497	382	310	225	177	146	124
1.63	1070	697	489	377	307	224	176	145	124
1.65	1038	683	482	373	305	223	176	145	123
1.67	1006	670	476	370	302	222	175	145	123
1.70	951	648	465	363	298	219	174	144	123
1.75	836	596	439	348	288	215	171	142	122

†Subject to change without notice.



OPTIONAL FACTORY ACCEPTANCE TESTING

- More economical than performing a load test on site
- Confirms published capacity rating of product
- Establishes a factory baseline ohmic reading
- Formal test report provided
- Contact your East Penn Mfg. representative for additional information

TESTING SPECIFICATIONS

- Exceeds IEEE-1188 standards
- 10 minute battery rate to 1.67 V.P.C.
- Constant power discharge
- String $\geq 100\%$ capacity — All individual batteries $\geq 95\%$ capacity
- Conductance readings taken before the test
- Battery voltage recorded on report every 2 minutes

INSTALLATION AND OPERATING INSTRUCTIONS

www.eastpennmanufacturing.com/wp-content/uploads/HRC-IO-Manual-2531.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.**



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