

# Deka® High Rate HRC

## HRC800C

- **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)
- 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



### SPECIFICATIONS

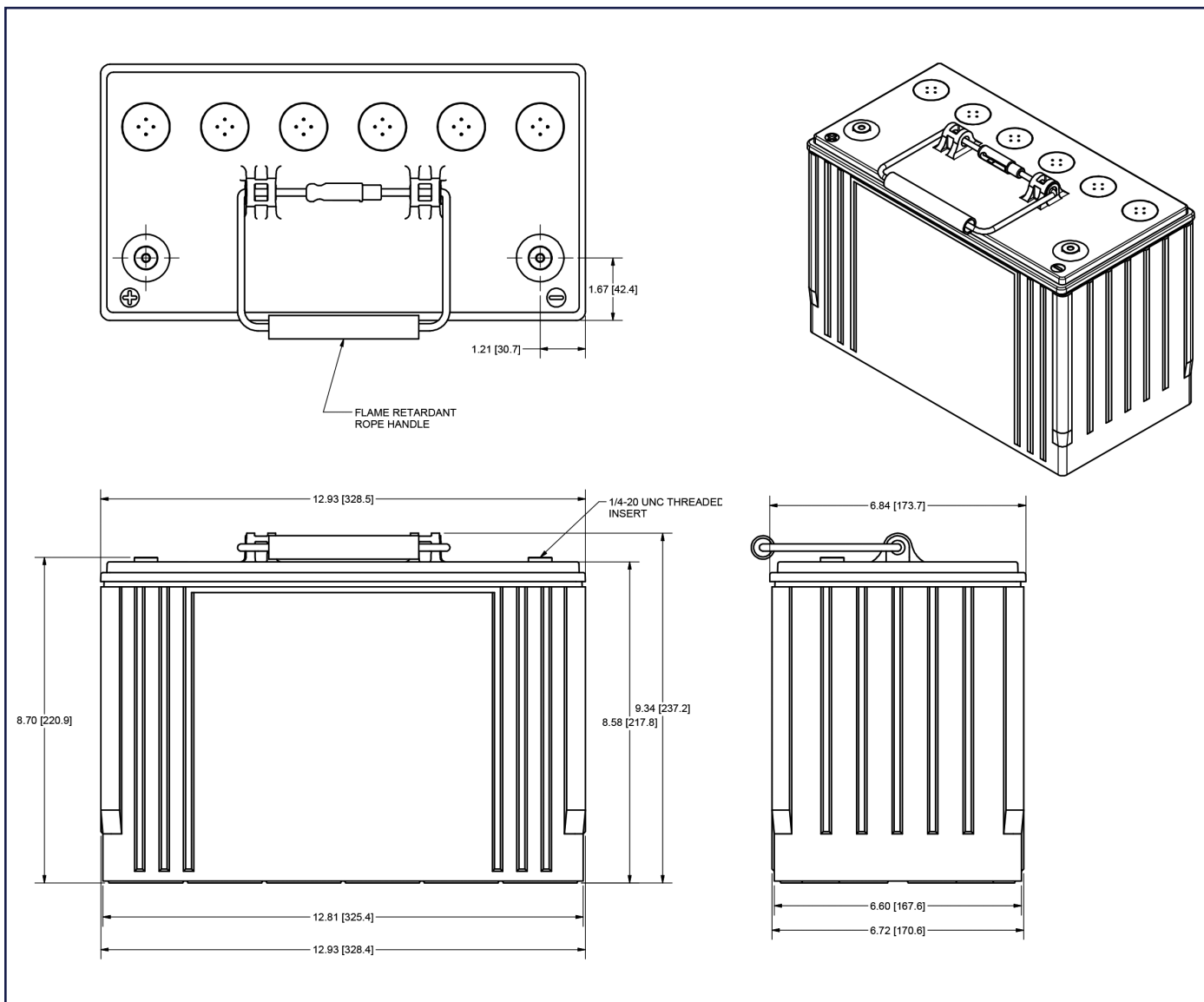
**Nominal Voltage:** 12-Volts  
**Rating:** 780 Watts/Cell @ 5 min. rate to 1.67 V.P.C.  
**Positive Plate:** High tin, low calcium alloy  
**Negative Plate:** Calcium alloy  
**Post Seal:** Epoxy-sealed  
**Terminal:** Top access, 1/4" – 20 threaded insert  
**Case/Cover:** Flame retardant, polypropylene – UL94 rated per UL1778 requirements

**Safety Vent:** Low positive pressure, self-sealing w/ flame arrestor  
**Float Voltage:** 2.25 V.P.C. ± 0.01 V.P.C. @ 77°F (25°C)  
**Design life:** 10 years in float applications @ 77°F (25°C)  
**Dimensions:** Length - 12.93" (328.4mm)  
 Width - 6.84" (173.7 mm)  
 Height - 8.70" (221.0mm)  
**Weight:** 68.0 lbs. (31.0 kg)

### WATTS PER CELL @ 77°F (25°C)†

| Battery Type    | Discharge Times - Minutes |     |     |     |     |     |     |     |     |
|-----------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|                 | 1                         | 5   | 10  | 15  | 20  | 30  | 40  | 50  | 60  |
| <b>1.60 vpc</b> | 1153                      | 840 | 554 | 428 | 350 | 257 | 204 | 168 | 145 |
| <b>1.63 vpc</b> | 1112                      | 818 | 550 | 426 | 348 | 256 | 203 | 168 | 144 |
| <b>1.65 vpc</b> | 1098                      | 799 | 546 | 423 | 346 | 255 | 203 | 167 | 144 |
| <b>1.67 vpc</b> | 1083                      | 780 | 541 | 420 | 344 | 254 | 202 | 167 | 143 |
| <b>1.70 vpc</b> | 1045                      | 747 | 532 | 417 | 342 | 252 | 201 | 166 | 143 |
| <b>1.75 vpc</b> | 964                       | 682 | 506 | 404 | 335 | 249 | 198 | 163 | 140 |

†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

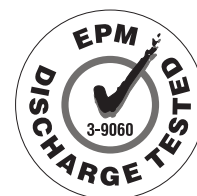
#### TESTING SPECIFICATIONS

- 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](http://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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QUALITY SYSTEM  
CERTIFIED  
**ISO 9001**  
**IATF 16949**  
ENVIRONMENTAL  
SYSTEM CERTIFIED  
**ISO 14001**



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