

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 (UL94 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
- 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
- UL 1973 Certification for Energy Storage applications



SPECIFICATIONS

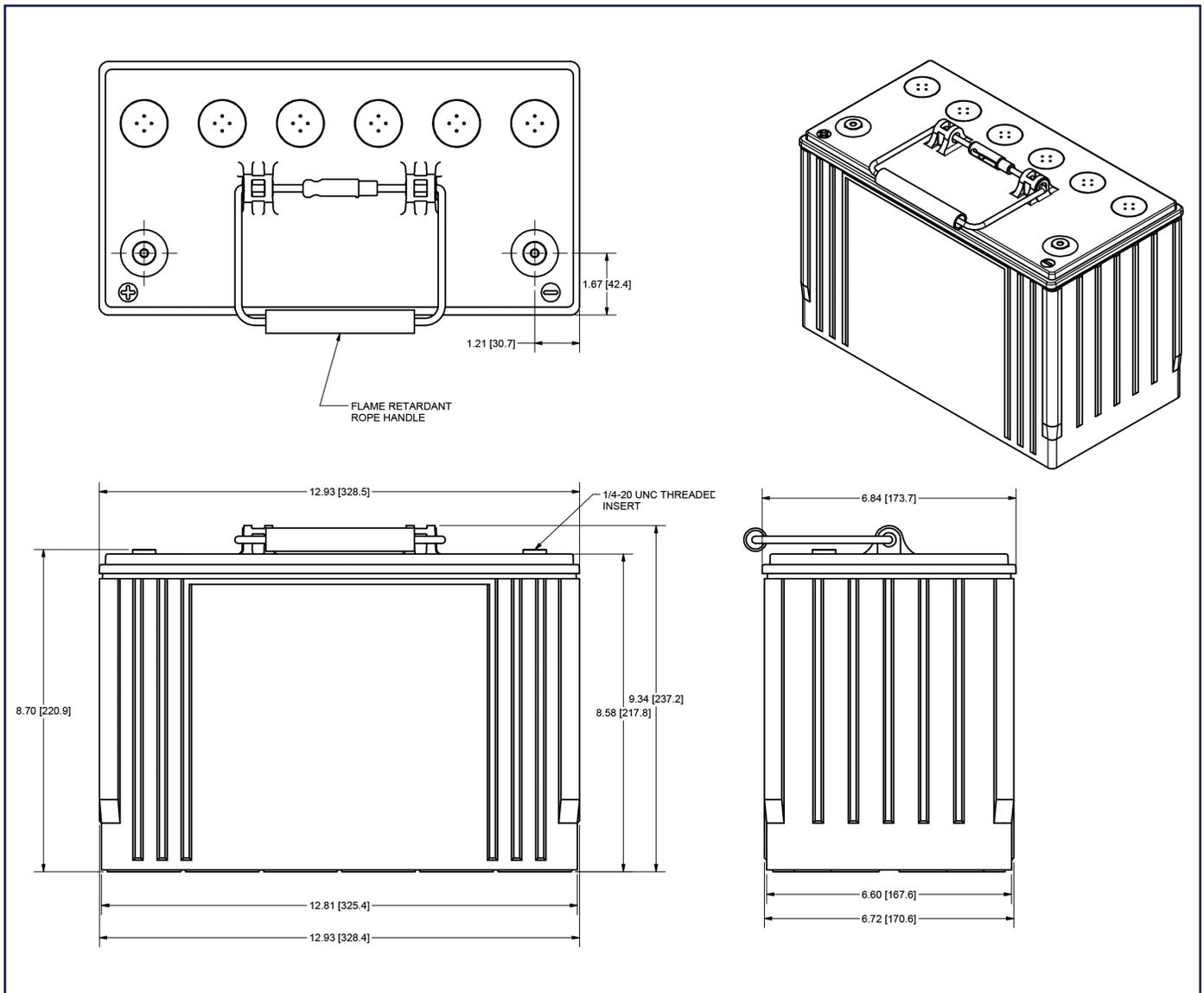
Nominal Voltage: 12-Volts
Rating: 780 Watts/Cell @ 5 min. rate to 1.67 V.P.C.
Positive Plate: High tin, low calcium alloy
Negative Plate: Calcium alloy
Post Seal: Epoxy-sealed
Terminal: Top access, 1/4" – 20 threaded insert
Case/Cover: Flame retardant, polypropylene – UL94 V0 rated per UL1778 requirements

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 - 12.93" (328.4mm)
 Width - 6.84" (173.7 mm)
 Height - 8.70" (221.0mm)
Weight: 71 lbs (32.5 kg)

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

Volts per Cell (V.P.C.)	5 MIN.	10 MIN.	15 MIN.	20 MIN.	30 MIN.	40 MIN.	50 MIN.	60 MIN.
1.60 vpc	840	554	428	350	257	204	168	145
1.63 vpc	818	550	426	348	256	203	168	144
1.65 vpc	799	546	423	346	255	203	167	144
1.67 vpc	780	541	420	344	254	202	167	143
1.70 vpc	747	532	417	342	252	201	166	143
1.75 vpc	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-10-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

