

**MORE POWER - LESS SPACE®**



**HIGH RATE SERIES**

**HR3500ET**

- Exclusive IPF® technology optimizes power capacity, cell consistency, and long-term reliability
- Advanced AGM technology for superior high-rate power
- Puncture resistant micro-porous glass mat separators extend life
- Front access design for easy installation and maintenance
- 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
- 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:** 370 Watts/Cell @ 15 min. rate to 1.67 V.P.C.  
**Positive Plate:** >98% Pure lead with tin-calcium alloy  
**Negative Plate:** Pure lead, calcium alloy  
**Post Seal:** Epoxy-sealed  
**Terminal:** Front access, 1/4" – 20 threaded insert  
**Case/Cover:** Flame-retardant, polypropylene – UL 94 V-0/>28% L.O.I.

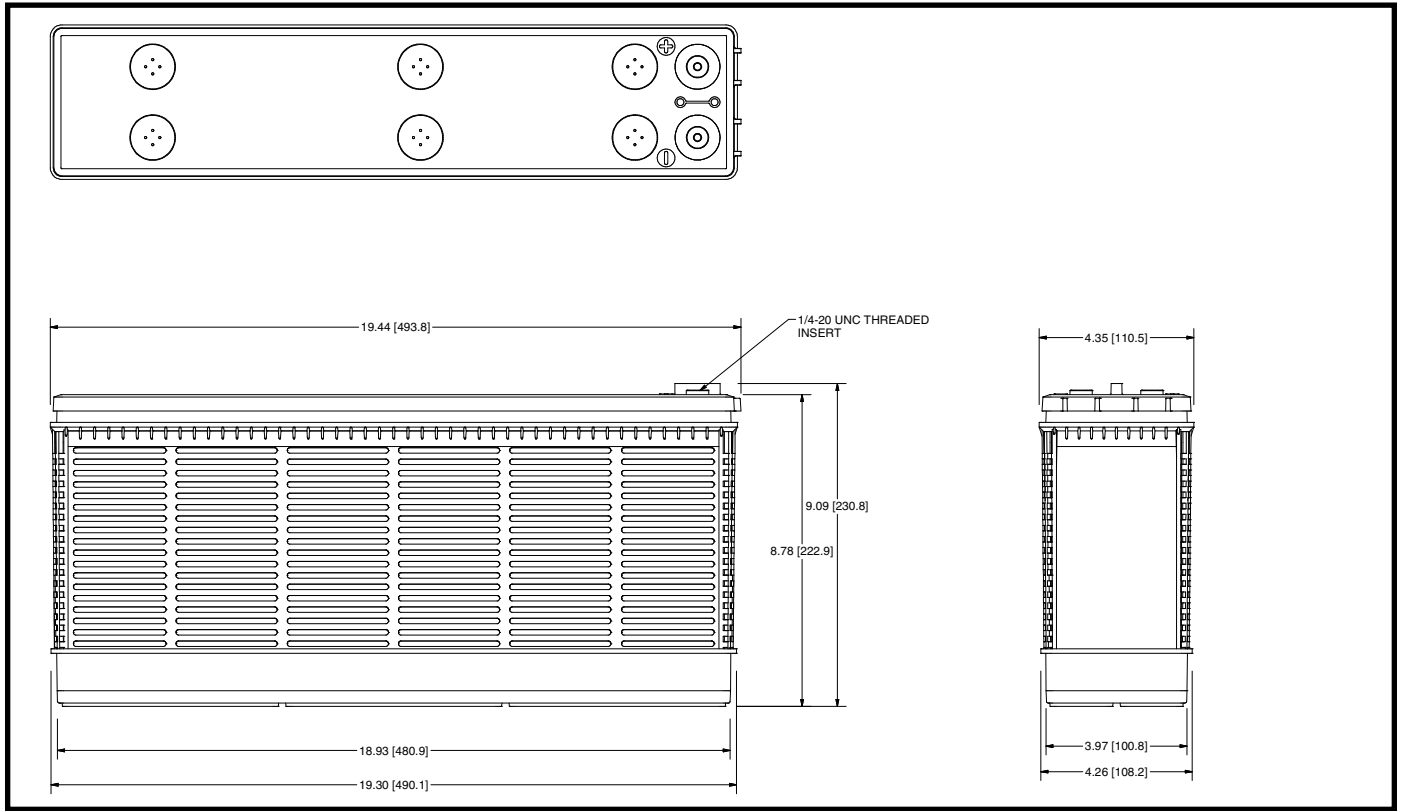
**Safety Vent:** Low positive pressure, self-sealing w/ flame arrestor  
**Float Voltage:** 2.25 V.P.C. ± 0.01 V.P.C. @ 77°F (25°C)  
**Design life:** 10 years in float applications @ 77°F (25°C)  
**Dimensions:** Length - 19.44" (493.8 mm)  
 Width - 4.35" (110.5 mm)  
 Height - 9.09" (230.8 mm)  
**Weight:** 75.5 lbs. (34 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                    | 1079   | 701    | 494     | 383     | 313     | 231     | 185     | 155     | 134     |
| 1.63                    | 1029   | 688    | 485     | 377     | 310     | 230     | 184     | 155     | 134     |
| 1.65                    | 994    | 671    | 478     | 373     | 308     | 229     | 184     | 154     | 133     |
| 1.67                    | 957    | 654    | 472     | 370     | 306     | 228     | 183     | 153     | 133     |
| 1.70                    | N/A    | 631    | 460     | 363     | 301     | 226     | 182     | 153     | 132     |
| 1.75                    | N/A    | 580    | 436     | 350     | 292     | 221     | 178     | 150     | 131     |

†Subject to change without notice.

# STANDARD



## OPTIONAL FACTORY ACCEPTANCE TESTING

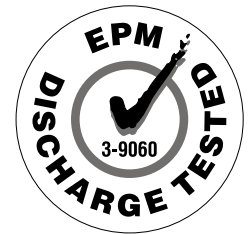
- More economical than performing a load test on site
- Confirms published capacity rating of product
- Establishes a factory baseline ohmic reading
- Formal test report provided
- Contact your East Penn Mfg. representative for additional information

## 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

- <http://www.eastpenmanufacturing.com/wp-content/uploads/High-Rate-IO-Manual-0970.pdf>



[www.dekabatteries.com](http://www.dekabatteries.com)

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

  
UL Recognized Component



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