

**MORE POWER - LESS SPACE®**



**HIGH RATE SERIES**

**HR5500ET**

- 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**

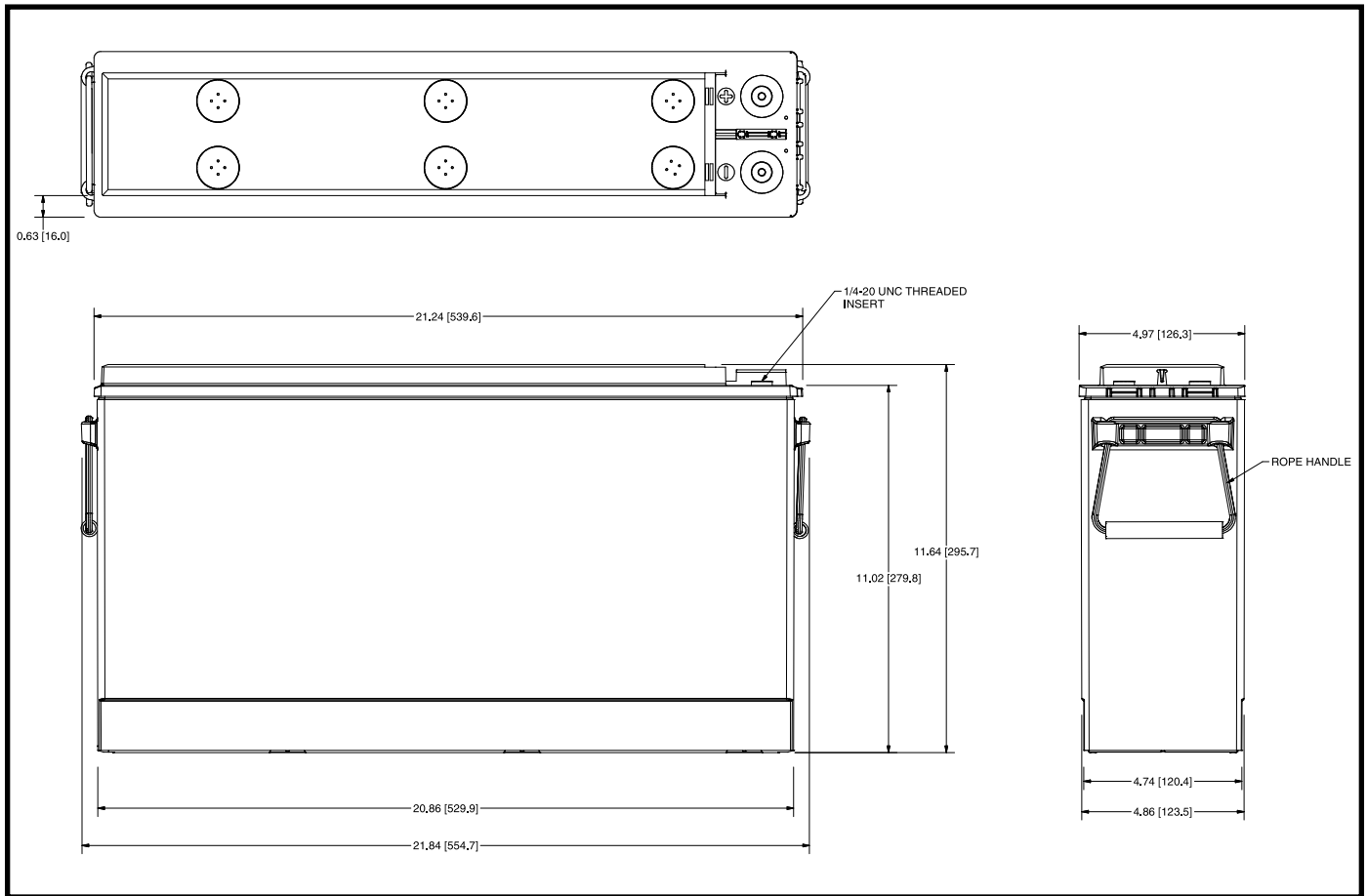
**Nominal Voltage:** 12-Volts  
**Rating:** 550 Watts/Cell @ 15 min. rate to 1.67 V.P.C.  
**Positive Plate:** > 98% Pure lead with tin-calcium alloy  
**Negative Plate:** Pure lead, calcium alloy  
**Post Seal:** Epoxy-sealed  
**Terminal:** Front access, 1/4" – 20 threaded insert  
**Case/Cover:** 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 - 21.84" (554.7 mm)  
 Width - 4.97" (126.3 mm)  
 Height - 11.64" (295.7 mm)  
**Weight:** 115 lbs. (52 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.	20MIN.	30 MIN.	40 MIN.	50 MIN.	60 MIN.
1.60	N/A	946	712	576	471	369	297	250	218
1.63	N/A	913	695	567	464	367	295	250	218
1.65	N/A	888	682	558	459	363	293	248	217
1.67	N/A	864	670	550	453	360	291	247	216
1.70	N/A	828	647	535	443	356	288	245	215
1.75	N/A	749	602	506	420	344	280	239	210

†Subject to change without notice.

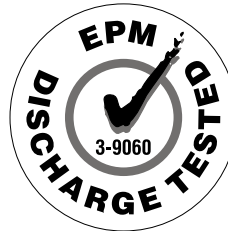


### OPTIONAL FACTORY ACCEPTANCE TESTING

- 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

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



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



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