Deka®

High Rate

UL CERTIFIED
SAFETY US-CA
MH66221

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
- UL 1973 Certification for Energy Storage application

SPECIFICATIONS

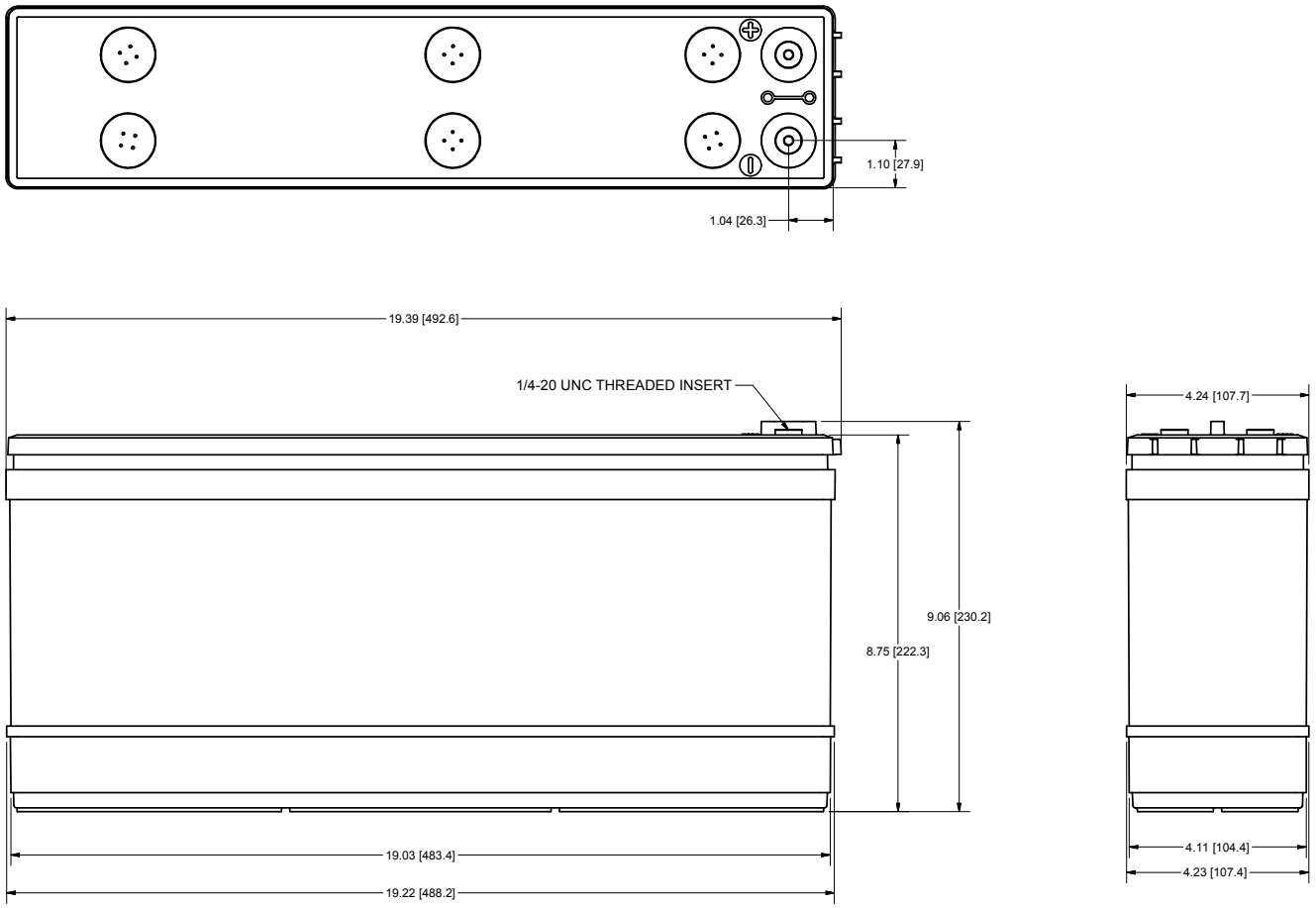
Nominal Voltage: 12-Volts
Rating: 370 Watts/Cell @ 15 min. rate to 1.67 V.P.C.
Positive Plate: >98% Pure lead with tin-calcium alloy
Negative Plate: Pure lead, calcium alloy
Post Seal: Epoxy-sealed
Terminal: Front access, 1/4" – 20 threaded insert
Case/Cover: Flame-retardant, polypropylene – UL 94 V-0/>28% L.O.I.
Safety Vent: Low positive pressure, self-sealing w/ flame arrestor
Float Voltage: 13.50V per battery ± 0.5% @ 77°F (25°C)
Range: 13.42V to 13.57V
Design life: 10 years in float applications @ 77°F (25°C)
Dimensions: Length - 19.44" (493.8 mm)
Width - 4.24" (107.7 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 ≥ 100% capacity — All individual batteries ≥ 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

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.**

EPM DISCHARGE TESTED 3-9060

EastPenn

e-mail: reservepowersales@dekabatteries.com

QUALITY SYSTEM CERTIFIED ISO 9001 IATF 16949 ENVIRONMENTAL SYSTEM CERTIFIED ISO 14001

UL Recognized Component

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