Deka High Rate

UL CERTIFIED
SAFETY US-CA
MH66221

HR3500

- **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
- 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

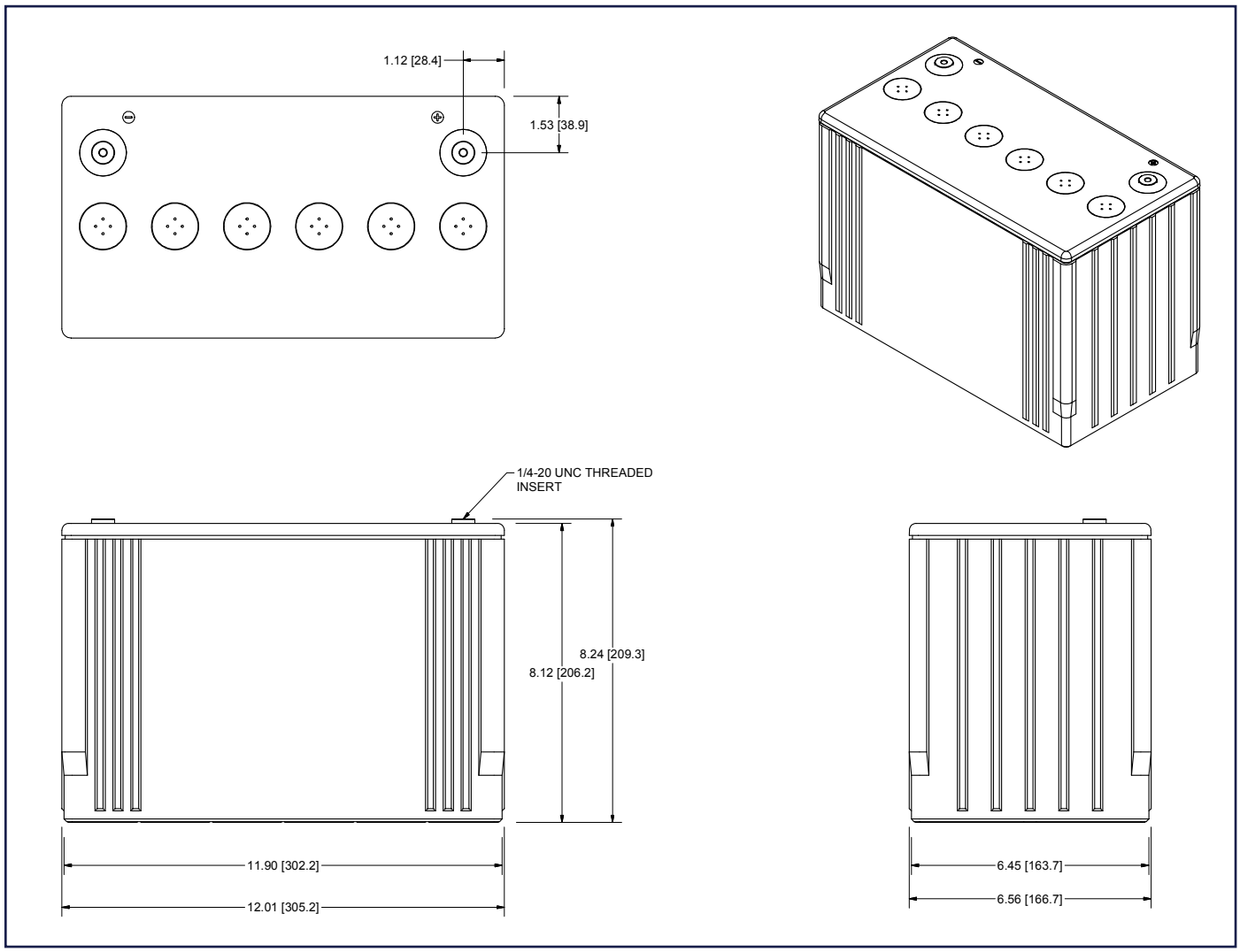
Nominal Voltage: 12-Volts
Rating: 370 Watts/Cell @ 15 min. rate to 1.67 V.P.C.
Positive Plate: >98% Pure lead with tin-calcium alloy
Negative Plate: Pure lead, calcium alloy
Post Seal: Epoxy-sealed
Terminal: Top access, 1/4" – 20 threaded insert
Case/Cover: Flame-retardant, polypropylene – UL 94 V-0/>28% 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 - 12.01" (305.2 mm)
Width - 6.56" (166.7 mm)
Height - 8.24" (209.3 mm)
Weight: 71.5 lbs. (32 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	1200	729	489	377	311	231	184	152	131
1.63	1167	717	485	374	308	229	183	151	130
1.65	1113	701	480	372	307	228	182	151	130
1.67	1063	686	475	370	305	227	181	150	130
1.70	1015	662	464	364	300	224	180	149	129
1.75	890	608	438	347	291	220	177	147	127

†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 ≥ 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

www.dekabatteries.com

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

UL Recognized Component

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