



EAST PENN DEKA HEAVY DUTY MARINE / COMMERCIAL

1231MF



ADVANCED LIFE, POWER AND DURABILITY (A3)

MAINTENANCE FREE – CALCIUM/CALCIUM

- BCI Group 31, 12V
- CCA 1000 / CA 1190
- Reserve Capacity [min]: 185@25 A
- Weight: 58.5 lbs.
- Length- 13 in (330 mm)
- Width- 6 ¾ in (171 mm)
- Height- 9 ½ in (241 mm)
- Stud Type, Terminal Positive on LEFT/RIGHT. Available on SAE Post (1231PMF)

QUALITY SYSTEM CERTIFIED TO ISO 9001 ISO/TS 16949

QUALITY SYSTEM CERTIFIED ISO 9001 QS 9000 WIRE & CABLE DIVISION ISO 14001



- Increased grid frame tensile strength, resists plate growth to safeguard against life-threatening shorts.
- Thicker back web and puncture resistant separators prevent plate-to-plate electrical shorts
- Ultra-Pure Electrolyte with no impurities inhibits unnecessary water loss.
- Full-frame plate vs. expanded metal grid prevent exposed wire electrical shorts
- Advanced battery formation controls prevent high temperature damage and under-formed plates.
- **EAST PENN POWER-PERFORM PLATES , WHEN COMPARED TO LEADING COMPETITORS HAVE 13% LESS POSITIVE PLATE FAILURES.**
- **LAST 24% LONGER IN HIGH HEAT AND SEVERE SERVICE APPLICATIONS**
- **HAVE 25% LESS PREMATURE FAILURES THAN THE LEADING COMPETITORS**

East Penn’s Advanced-Cubed (A3) Technology utilizes internal components made with the finest life extending and power producing materials. These materials, such as the purest electrolyte and specially formulated oxide, are the same used in batteries for critical stationary applications with an extended design life. High-end components are precision crafted into the battery to achieve maximum durability. This process utilizes the most modern equipment to ensure that this is done in the most efficient way.



## Key Features and Benefits of the Deka Heavy Duty Line



### Keep Heavy-Duty Equipment Running at Top Performance

Demanding commercial equipment requires nothing less than the most powerful, reliable batteries. This complete line of the toughest commercial product is specially engineered for durability while meeting high power ratings for heavy-duty engines.

- Genuine calcium lead alloy provides longer waterless operation and extended battery life.
- Anchor-locked elements with full-frame grids and tight-packed commercial plates resist the damaging effects of vibration, delivering more power-per-pound than other batteries.
- Most of our commercial batteries contain premium "deep pocket" envelope separators, which protect the plates on all four sides to dramatically reduce shorting and extend service life.
- Special computer-aided design and manufacturing means more durability for heavy-duty line-haul trucks, buses, farm tractors and off-road equipment.

- Most popular sizes feature tough polypropylene cases which resist breakage and extend service life. Many are also available with handles and special terminals for easy installation.
- Deka offers the most complete line of enveloped calcium maintenance-free commercial batteries in the industry. Our line includes such hard-to-find group sizes as 5D.
- More than 250 quality control checks ensure the highest quality.