ENERGY BATTERY GROUP INC.
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SEVERE DUTY COMMERCIAL

MAINTENANCE FREE

Energy Battery Group welcomes the opportunity to discuss your technical requirements during the design and specification stage. To access this technical assistance, please contact the **Product Support Department** via phone, fax or email address listed in the above header.

- Thick, full-framed and robust grid design with calcium alloys and minimal over-pasting provides unmatched engine cranking power, highly reliable discharge power – and resistance to vibration and extreme heat.
- Heavy-duty cold forged commercial stud terminals provide maximum durability and resistance to terminal corrosion.
- Calcium lead plate content enables maintenance-free reliability with superb durability.
- Posi-Wrap™ Separators protect against short-circuiting and provide superior plate compression to deliver best available cycling performance.
- Tough polypropylene plastic container and cover components are heat-sealed and withstand rugged commercial applications.
- State of the Art Manufacturing processes that delivers strong cycling performance and – increased battery life.

PRODUCT SPECIFICATIONS:

Energy Power Extreme Heavy-Duty

BCI Number	Energy Power Part Number	CCA	Length (in)	Width (in)	Height (in)	Core Unit Value
31	31S-1000	1000	13	6 3/4	9 3/16	1.5
31	31A-1000	1000	13	6 3/4	9 3/16	1.5
31	31A-850	850	13	6 3/4	9 3/16	1.5
31	31A-800	800	13	6 3/4	9 3/16	1.5
31	31S-700	700	13	6 3/4	9 3/16	1.5

EcoSmart MaxMix Technology

Energy Power Part Number	CCA	Reserve Capacity (minutes)
ECO-31A-950	950	200
ECO-31S-950	950	200
ECO-31A-850	850	185
ECO-31S-850	850	185
ECO-31A-750	750	170
ECO-31S-750	750	170

Energy Power Part Number	CCA	Reserve Capacity (minutes)
ECO-31A-750 HC	750	205
ECO-31S-750 HC	750	205

Pure Lead AGM

BCI Number	Energy Power Part Number	CCA	Length (in)	Width (in)	Height (in)	Core Unit Value
31	AGM31S-950	950	13	6 3/4	9 3/16	1.5
31	AGM31A-950	950	13	6 3/4	9 3/16	1.5

EFFECT OF BATTERY TEMPERATURE ON BATTERY LIFE:

Lead acid batteries are electrochemical storage devices that store and release chemical energy upon demand in the form of electricity. By virtue of their design lead acid batteries are highly reactive to temperature – with the rate of chemical reactions that occur within the battery being affected by the operating temperature where the battery is used. Higher operating temperatures will result in faster chemical reactions within the battery – delivering improved discharge performance; conversely, cooler operating temperatures will result in slower internal chemistry. However, higher operating temperatures also result in shortened battery life as the increased rate of chemical reactions will accelerate the rate of deterioration of internal components. Typical battery life is based upon a baseline operating temperature of 80°F / 27°C. Temperature increases of 15°F / 10°C over the baseline will cause the battery's rate of internal chemical reactions to double – something that will reduce battery life due to the accelerated deterioration of internal components. Please contact Energy Battery to discuss any minimal requirements for battery life when operating batteries in temperatures greater than 80°F / 27°C.

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