

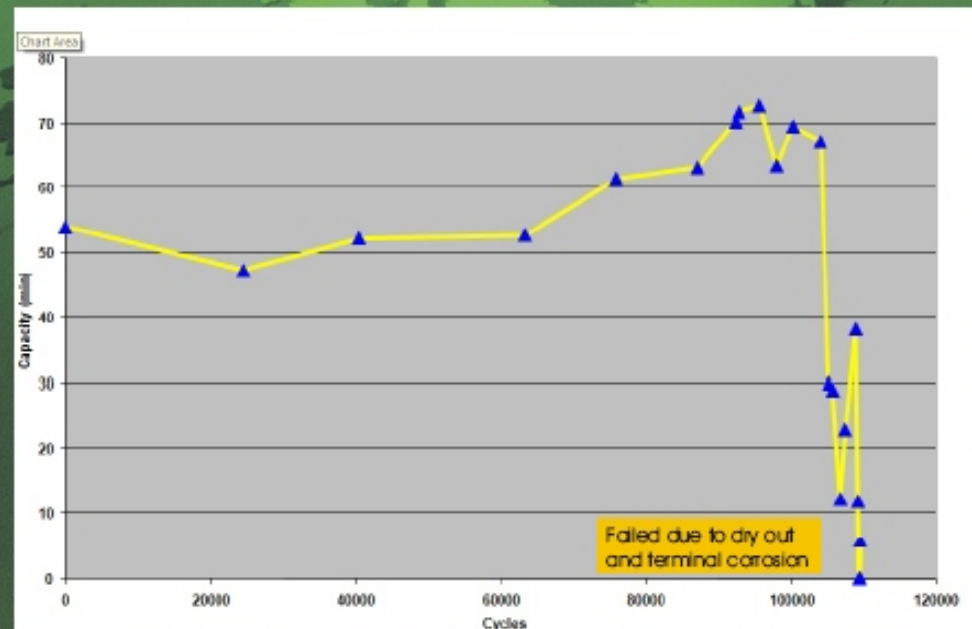
# HE-C-6-MaxLife™

A Premium Expander for Hybrid/Electric Vehicles

When High Cycle Life is in Demand for HRPSoC Operations



## Over 100,000 Cycles of Reliable Performance



### The Longest Cycle Life Expander

- Specially formulated to outperform all others

### Solar & Wind Power App's as Well

- For premium use in VRLA, solar & wind applications

### Offers the Proven Reliability of LA

- Unlike lithium-ion and nickel-metal hydride batteries lead-acid has stood the test of time & is recyclable

# HE-C-6-MaxLife™

Super Premium Expander

### Applications

Hammond Expanders HE-C-6-MaxLife™ expander was specifically developed for use in hybrid electric vehicles which require the battery to operate under partial state of charge (PSOC) conditions. Although this expander was developed primarily for VRLA applications, it is also well suited to other PSOC applications such as solar and wind power. Our HE-C-6-MaxLife™ expander is a culmination of several years of intense research efforts; undoubtably our most technically advanced expander to date. At Hammond expanders we are not here to just simply make expanders, we are here to provide the most advanced expanders to help you make the most advanced batteries.

### Physical Properties

Odor.....Vanilla or wood pulp-like  
Color.....Grayish black  
Consistency.....Homogeneous powder

### Addition Rate

3.0% Dry

### Why Pre-blended Expanders?

- Precise control of component and bag weights
- Custom bag weights matched to your batch size; 1 bag per batch
- Elimination of messy stock items such as carbon
- Elimination of errors in paste mixing
- Every batch quality tested per ISO 9000:2001 standards
- Better uniformity of paste mix
- Reduce inventory cost, storage space, housekeeping and waste disposal
- Lets you focus on what you do best- make batteries!

# HE-C-6-MaxLife™

Super Premium Expander

## TECHNICAL DATA

### Electric Vehicle Expanders

Product Technical Data

**Uses:**  
Electric and Hybrid Vehicles

**Description:**  
Formulated to provide outstanding battery performance and life in the partial state of charge operation typical of electric cars and hybrid vehicles.

**Physical Properties:**  
Odor.....None  
Color.....Grayish black  
Consistency.....Homogeneous powder  
Addition to Paste Mix.....Dry

**Bag Sizes and Weight Ranges:**  
Medium.....12 - 19 lbs.  
Large.....20 - 28 lbs.

### Selection Guide:

Application	Expander Type	Ash Content	Addition Rate
Electric/Hybrid Vehicles Solar/Wind	HE-C-6-MaxLife	0.8 ± 0.25%	3.00 %

### Impurities:

Element	Typical (ppm)	Maximum (ppm)
Iron	100	200
Copper	100	170
Nickel	5	10
Unorganics	5	10



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ISO 9000:2001 Certified Supplier

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