

Acting as a value added assembler for major cell manufacturers (Sanyo, Kokam, Saft, etc.), Cell-Con provides custom battery packs assembled with lithium ion (Li-Ion), lithium polymer (Li-Poly), nickel metal hydride (NiMH), nickel cadmium (NiCd), sealed lead acid (SLA), lithium, alkaline, or silver oxide cell chemistries. Whether the pack is a smart (SMBus) assembly or a basic design, has low or high capacity specifications (in excess of 80Ah), in small or large production volume, a safe, reliable, and appropriate solution will be provided.

**Smart Battery Packs-** more complex than a 'standard' battery assembly, smart packs can include the following features and functionality:

- SMBus communication protocol
- Fuel gauge integration
- Cell balancing functionality
- Intrinsically safe designs
- Authentication / encryption coding

### Standard Battery Packs

Less complex than a 'smart' battery pack, yet still assembled to meet the specifications of the application. Standard assemblies typically include protection devices such as PTC's, fuses, thermostats, and protection circuitry when lithium ion / polymer based cells are utilized.

### Large Capacity Packs

As the demand for higher outputs and longer run time continues to increase, so does the demand for battery pack with higher capacity. Typically satisfied with lithium polymer assemblies, Cell-Con can provide a solution using cells with capacities up to *80Ah and greater*.

### High Volume Requirements

Cell-Con assembles all of its packs at its facilities located in the United States. However, applications that require large production volumes, typically with price sensitive requirements, can be provided via our overseas partners. Rest assured, packs produced by our overseas partners are of the same quality and value as the packs produced domestically in lower volume.

### Design Assistance

Our extensive industry experience allows us to provide portable power solutions from the initial design phase of selecting the appropriate chemistry for the application, through development, and prototyping and into final production. If a custom enclosure is required, rely on our in house talent and the skills of our partners to provide a unique, cost effective design.

