

Advanced Battery and Charging Solutions



ALEXANDER
TECHNOLOGIES

Our approach

Alexander Technologies, **global supplier of portable power management solutions** for specialist applications, is dedicated to providing world-class manufacturers with high quality power products and charging systems.

Alexander achieves this through the design, development and manufacture of the battery pack and charging system as an integrated 'total system' solution, resulting in enhanced battery performance and maximum run times.

As a leading international manufacturer of both batteries and chargers, Alexander is one of the few companies capable of offering a single source for **integrated power and charger solutions**. Alexander delivers these solutions from initial design to finished product, on a worldwide basis, from its own manufacturing facilities in both the US and Europe and qualified manufacturing sources in Mexico, China and Malaysia.

Talking Power From The Start

The design and development of the power management system needs to be considered at the front end of the NPD programme for a new device.

Our involvement in the early stages of development provides a single point solution for the design of a compatible battery and charger solution, which in turn will deliver improved battery performance and run time.

Initial Design Concept

- Space Envelope
- Battery Casing
- Power Requirement

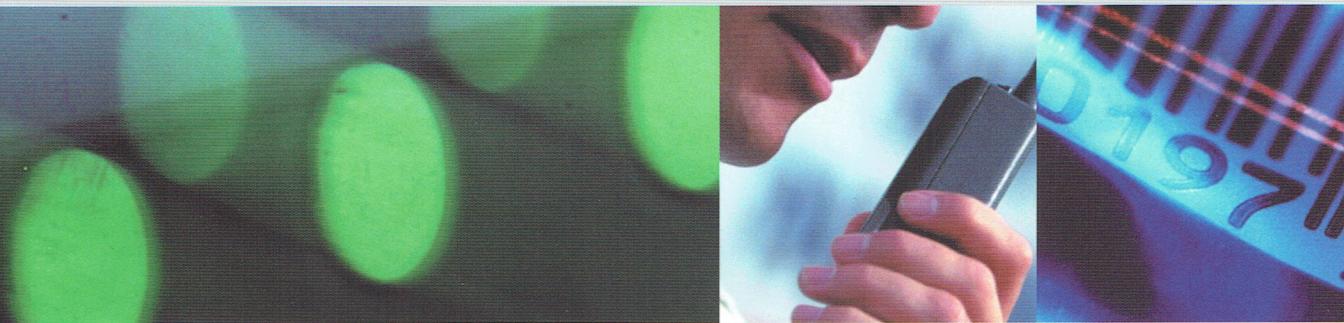
Duty Regime

- Chemistry Choice: NiCd, NiMH, Lithium ion, Lithium Polymer and Sealed Lead Acid
- Cell Specification

'Smart' Battery Electronics

- Fuel Gauges
- Battery Management Systems

Advanced battery and charging solutions for portable specialist applications



Applications and Markets

Alexander provides a diversified base of leading OEMs with power management solutions for a wide range of specialist portable applications.



Automatic Identification & Data Capture

Barcode scanners



Mobile Computing

Data collection, rugged computers and ticketing and payment systems



Medical Equipment

Infusion devices, patient monitoring systems and defibrillators



Professional Mobile Radio (PMR)

2 way radios



Test and Measurement

Portable scientific, medical and laboratory equipment



Military and Emergency Services Markets

Laser sights, rescue beacons and radios



Charging Regime and Charger Design

- Charging Capability - dedicated single chemistry or multi-chemistry capability
- Charge Time
- Single Bay or Multi-bay Charger

Production

- Case Tooling
- Battery Pack Assembly
- Charger Manufacture

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