Battery Application Worksheet

Welcome to our Application Engineering Worksheet Page. Please fill in the following form using the units of measure requested for each section. When you have completed the form please fax it to us. A sales engineer will reply to you with a recommendation regarding the suitability of a battery for your application.

Customer Information

Battery Type: Primary System Type: .... Secondary System Type: ....

Company: .... Address: ....

....City: .... State: .... Post Code: ....

Contact Name: .... Title: .... Phone: ....

Fax: ....Email: .... Web Site: ....

Application Description

Used in: Existing Device/Product (description): ....

Existing Battery In Use (Chemistry, voltage, capacity, etc.): ....

Specification Required (Mil-Spec., Regulatory, etc.): ....

Battery Requirements

Nominal Voltage: Minimum: ....Maximum: ....Typical: ....Cutoff Voltage: ....

Drain Requirements

Constant Resistance: ....ohms. Constant Current: Minimum ....mA. Typical: ....mA.

Maximum:...Standby drain: ....mA

Pulse Profile

Peak Current: ....mA. Pulse Duration: ....milliseconds or ....Seconds

Pulse Interval: one pulse per.........................milliseconds........................seconds........................minutes........................hours........................days........................years

Temperature Range & Operating Life

Duration:..Months...years. Operation Life: (mins/hrs/days/etc.) ....

Storage minimum:..ºC. Typical: ....ºC. Maximum: ....ºC.

Operation minimum:...ºC. Typical: ....ºC. Maximum: ....ºC.

Charging minimum: ....ºC. Typical: ....ºC. Maximum: ....ºC.

Physical Requirements

Max Weight: ....grams. Battery Cavity Space Available: Length ....mm Width ....mm Height........................mm

Packaging requirements: (loose cells, plastic housing, metal case)..

Additional Requirements

Protection Circuit:...Charge Control Circuit:...Safety:..

Shock: ....Vibration: ....Safety Assessment Report (SAR):...

Charging Conditions (Rechargeable Only)

Charge Termination Method (delta v, time, temp., etc.) ....Charge Time (hours): ....

Charge Current: ....mA. What is the percent accuracy of the charge current regulation?:...%

What is the accuracy of the charger's output in constant voltage mode?:..%

Charger manufacturer and part number: ....Charger Type: External (y/n) ....Internal (y/n)..............................

Note: We strongly recommends the use of an external protection circuit to protect against over and under voltages and over charge current.

Quantity & Delivery Requirments

Estimated Annual Volume:...Prototype Requirement Qty:...Requirement Date: ....

Pre-Production Requirement Qty: ....Requirement Date ....

Production Schedule Qty/Date:...

Connectors

Terminals (type) Brand: ....Model: ....Wire Leads (gauge, length):...

Custom (specify):..

Special Purpose Requirements (solderable, non-user replaceable, etc.): ....

General Comments:..