BATTERY ENGINEERING

Battery Application Worksheet

Customer Information

Company: _____

Address: _____ City: _____ State: _____ Post Code: _____

Contact Name: _____ Title: _____ Phone: _____

Email: _____ Web Site: _____

Application Description

Battery Type: Primary System Type: _____ Secondary System Type: _____

Explanation of your requirements: _____

_____

Battery Requirements

Nominal Voltage: Minimum: _____ Maximum: _____ Typical: _____ Cutoff Voltage: _____

Drain Requirements

Constant Current: Minimum: _____ mA. Typical: _____ mA. Maximum: _____ mA

Constant Resistance: _____ ohms. Standby drain: _____ mA

Pulse Profile

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

Pulse Interval: one pulse per _____ milliseconds _____ seconds _____ minutes _____ hours _____ days _____

Temperature Range & Operating Life

Expected 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, shrink, other) _____

Additional Requirements

Protection Circuit: _____ Charge Control Circuit: _____ Safety: _____

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

Charging Requirements (Rechargeable Only)

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

Charge Current: _____ mA. Charger Type: External (y/n) _____ Internal (y/n) _____

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

Quantity & Delivery Requirements

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

Connectors

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

Custom (specify): _____

Budget

Budget Expectations: _____

BATTERY ENGINEERING

Solar Application / Site Brief

Brief

Explanation of the proposed system: _____

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Type of System

Off-grid, RV, hybrid, other: _____

Do you require a brand new system? ☐ YES ☐ NO

If YES, what are the required specifications (eg: voltage and configuration (series/parallel), primary power or backup power, etc)_____

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Do you require an expansion to your existing system? ☐ YES ☐ NO

If YES, what are the current specifications (eg: if solar panels, voltage and configuration (series/parallel), how many?)_____

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Battery chemistry: Lead Acid or Lithium?_____

System voltage?_____

Current draw (load) in Amps and/or Watts:_____

How many devices are to be powered? Constant power_____Intermittent power:_____

What is the total daily power required?_____

Does the system also require grid, AC or generator connection? ☐ YES ☐ NO

How many hours or days is the equipment required to run?_____

How many days power is required without sun (back-up)?_____

What are the typical operating temperatures?_____

Available area/dimensions for install of equipment? (photos of site would assist)_____

Budget

Budget expectations_____