

ShenZhen DGT Technology Development Co.,Ltd.

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 Email it to us. A sales engineer will reply to you with a recommendation regarding the suitability of a battery for your application.

Customer Information

Company:		Address:	
City:	State:	Post Code:	
Contact Name:	Phone:	Email:	

Application Description

Primary System Battery Type:	Secondary System Battery Type:
Used in: Existing Device/Product (description):	
Existing Battery In Use (Chemistry, voltage, capacity, etc.):	
Specification Required (Mil-Spec., Regulatory, etc.):	

Battery Nominal Voltage Requirements

Minimum(V):	Maximum(V):	Typical(V):	Cutoff Voltage(V):
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Drain Requirements

Constant Resistance(ohms):	Constant Minimum Current(mA):	Constant Typical Current(mA):
Constant Maximum Current(mA):	Constant Standby Drain Current(mA):	

Pulse Profile

Peak Current(mA):	Pulse Duration(milliseconds):	Or Pulse Duration(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(°C):	Storage Typical (°C):	Storage Maximum (°C):
Operation Minimum(°C):	Operation Typical (°C):	Operation Maximum (°C):
Charging Minimum(°C):	Charging Typical (°C):	Charging Maximum (°C):

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Physical Requirements

Max Weight(g):	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

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)	
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 Requirements

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, type, length):
Custom (specify):
Special Purpose Requirements (solderable, non-user replaceable, etc.):
General Comments: