



RFI CUSTOM BATTERY AND CHARGER DESIGN

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| ◆ Customer Information: | Requests For Information (1) |
| Customer Company Name | _____ |
| Customer Proposal Requested Date | _____ |
| Customer Web Site | _____ |
| Customer Contact - Engineering(E-mail address) | _____ |
| Customer Manufacturing Location(s) | _____ |
| Industry (Industrial, Medical, Military, Research etc) | _____ |

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| ◆ Program Information: | |
| Customer Application | _____ |
| Annual Part Volumes (Qty/Year,MOQ) | _____ |
| The expected schedule of the first production for the battery | _____ |
| Requesting battery system (PCM, ID Resistor, 2'nd Protector, SMBus, CAN) | _____ |
| Requesting Certification (UL, CE, FCC, CB, UN38.3, etc) | _____ |

◆ Electrical Information: If in doubts, please consult our Sales & Technical Team

| Pack Performance Specifications | Unit | Customer Specification | Requirement Spec' | Comments |
|-------------------------------------------------------------|----------|------------------------|-----------------------|--------------------------------------------|
| Cell Spec' | - | | | |
| Pack Capacity | [Ah] | | | |
| Pack Configuration(series & Parallel) | - | | | |
| <u>Operating Voltage Range (Application)</u> | [V] | | | Please don't use the battery under 3.0V |
| Capacity application required | [Ah] | | | |
| Initial Current(When turning on the application) | [A] | | Pack Capacity Under | Please use it under the battery capacity |
| <u>Shutdown Voltage(Application)</u> | [V] | | Each Cell 3.0V | Please don't use the battery under 3.0V |
| <u>Consumption Current at Sleep Mode</u> | [μA] | | 100μA Under | Please don't use the battery over 100μA |
| Pack Dimensions customer required | [mm] | | | Please mark as T * W * L |
| Enclosure Type (Shrink wrap, hard case, IPx7/8) | - | | | |
| <u>Max Charging Voltage</u> | [V] | | | |
| Charging Current | [A] | | Charge: Capacity/2 | Recommend to 0.5C for Charging |
| Charging Cut-Off Condition | - | | 4.2V, 1/20C | Recommend 4.2V, 1/20C |
| <u>Charge Operating Temperature Range(Ambient Temp.)</u> | [°C] | | | |
| Discharge Method of the application | - | | CC Mode | Discharge Method should be CC Mode |
| Discharging Current of the application | [A] | | Discharge: Capacity/2 | Recommend to 0.5C for Discharging |
| Max Discharging Current/Time | [A, Min] | | Pack Capacity Under | Please use it under the battery capacity |
| <u>Discharge Operating Temperature Range(Ambient Temp.)</u> | [°C] | | | |
| <u>Storage Temperature (Ambient Temp.)</u> | [°C] | | | |
| Device Requirement | - | | Device sample needed | For testing, we need an application sample |

Requests For Information (2)

| | | | | |
|---------------------------------------------------------------|------------------------------------------------------------------------------------|--|--|--------|
| ◆ Charger Information: | | | | |
| Charger Performance Specifications | Unit Customer Specification Requirement Spec' Comments | | | |
| Charging Current | [A] | | | Min 1C |
| Charging Voltage | [V] | | | |
| Full Charge Condition(Time Condition) | [Min] | | | |
| Full Charge Condition(Current Condition) | [A] | | | |
| Requesting Charger system(Dumb, SMBus, CAN, I ² C) | | | | |
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| All Information provided shall be treated as Confidential Information to be safe guard by the same degree of care as if its belongs to MilWorks Solutions Pte. Ltd. Document: FM883056 Version 1.0.0 | <p style="text-align: center;">Send this enquiry to: Sales & Technical Team</p> Email: sales@milworks.com.sg URL (websites): www.milworks.com.sg Office Phone: +65 6742 8196 Office Fax: +65 6742 8106 |
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