


Site Survey for Sentry-6002 Installation

Company and Site Information

Client/Company Name:	Site Name:
Plant Type: <input type="checkbox"/> Power Generation <input type="checkbox"/> Substation <input type="checkbox"/> Other (specify)	Client Technical Contact: Tel: Cell: Email:
Installation Address:	Installer:
Intended Installation Date:	

Battery Information

Battery type/Model:	Capacity: Ah
Bus Voltage: <input type="checkbox"/> 120V <input type="checkbox"/> 240V	Battery Number in This String:
Designed Maximum Current: A	<i>Contact BatteryDAQ if this is for Ni-Cad batteries.</i>
Terminal/Post Bolt Size <input type="checkbox"/> 6mm <input type="checkbox"/> 8mm <input type="checkbox"/> 10mm <input type="checkbox"/> Others	
Bus Cable Size:	Number of Cables at Inter-Tier:




Sentry BMS mounting location

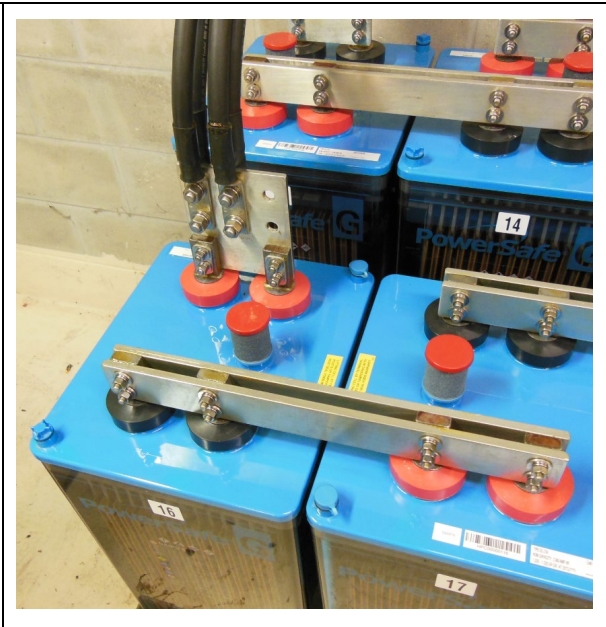


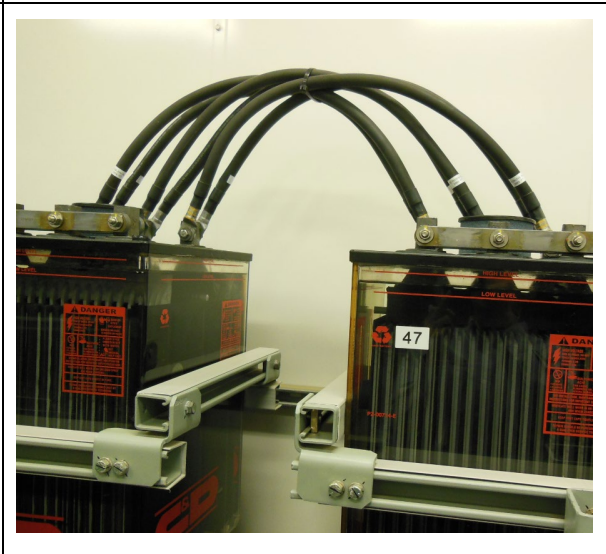
Choose one or more mounting options

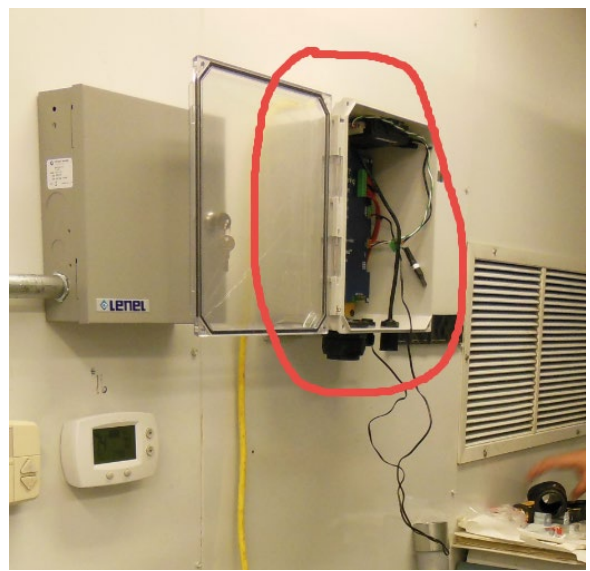

Location	Description
<input type="checkbox"/> Inside battery room, wall mounting	
<input type="checkbox"/> Inside battery room, mount on battery rack	
<input type="checkbox"/> Control room next to battery room, wall mounting	
<input type="checkbox"/> Other (specify)	

Take Photos (Very Important)

Please attach high resolution photos.

	Description	Example
Photo-1 <input type="checkbox"/>	Show battery overall room (multiple photos if necessary)	
Photo-2 <input type="checkbox"/>	Show battery brand/model	
Photo-3 <input type="checkbox"/>	Show battery post/terminal and connection bar/cable	

<p>Photo-4</p> <p>Show Positive bus connection</p> <p><input type="checkbox"/></p>		 <p>A close-up photograph showing the positive bus connections for several blue PowerSafe batteries. The batteries are arranged in a row, and a metal busbar is connected to their positive terminals. The terminals are marked with red caps. The batteries are labeled with numbers 14, 15, and 17.</p>
<p>Photo-5</p> <p>Show Negative bus connection</p> <p><input type="checkbox"/></p>		 <p>A photograph of a battery cabinet with negative bus connections. The cabinet is black and has a glass door. A metal busbar is connected to the negative terminals of the batteries inside. The cabinet has a 'CAUTION' label and a 'DANGER' label. The label includes the text 'BATTERY TECHNOLOGIES' and 'RD-2007'.</p>
<p>Photo-6</p> <p>Show Inter-Tier connection for choosing correct window size for Current Transducer</p> <p><input type="checkbox"/></p>	 <p>A close-up photograph of a blue inter-tier connection box. The box is mounted on a metal structure and has a green terminal block on top. The box is labeled with 'BATTERY TECHNOLOGIES' and 'RD-2007'.</p>	 <p>A photograph showing the inter-tier connections between two battery cabinets. The cabinets are black and have glass doors. The inter-tier connections are made using metal busbars and cables. The cabinets are labeled with numbers 47 and 48.</p>

<p>Photo-7</p> <p><input type="checkbox"/></p>	<p>Intended BMS mounting location</p>	
<p>Photo-8</p> <p><input type="checkbox"/></p>	<p>Show rack structure for cable tray installation</p>	

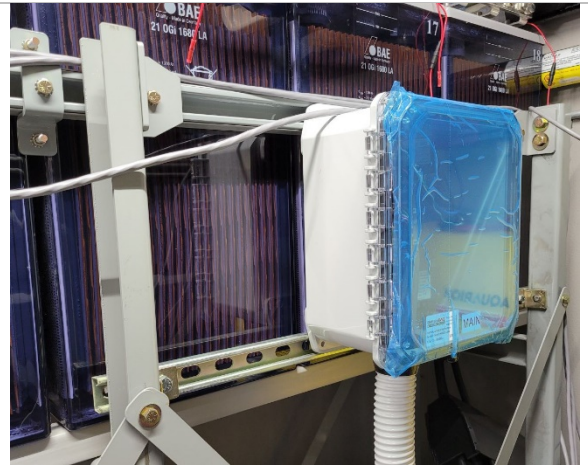
Cable Length Estimation

If the unit is installed inside the battery room [Preferred], on the wall or onto the rack, first identify the best location, then estimate the cable length to reach the farthest battery cell.

When the battery rack is split into multiple sections, consider the extra length to pass through from one section to another. For some construction, it may need to go through the ceiling or floor.



Wall Mounting



Rack Mounting

If the unit is installed in the control room next to battery room, please check the distance and estimate the maximum cable length.

L1(ft)	L2(ft)	L3(ft)	L4(ft)	Total (ft)



Dashed lines are for going under floor.

Conduit

Confirm with client if any specific conduit is required for wiring.

Network Connection

Discuss with client for available network options.

IoT cellular is a low-cost solution when regular Ethernet is not available. Contact BatteryDAQ for details.

#	Available Connection Options on Site	Check	Description/Client's preference
1	Ethernet with assigned static IP	<input type="checkbox"/>	
2	Fiber connection (Fiber adapter provided by BatteryDAQ)	<input type="checkbox"/>	
3	IoT Cellular-1 (SIM card provided by BatteryDAQ with annual data fee)	<input type="checkbox"/>	
4	IoT Cellular-2 (SIM card provided by client)	<input type="checkbox"/>	
5	Company's Wi-Fi	<input type="checkbox"/>	
6	Cellular Router provided by client	<input type="checkbox"/>	
7	RS485 to SCADA	<input type="checkbox"/>	
8	Direct Connection between PC and BMS [Access data, download history, perform load test]	<input type="checkbox"/>	