



## Energy Storage Solution

### Li-ion Battery / BS4-CD

#### Features

- DC voltage up to 1250Vdc
- Max. installed capacity up to 114kWh per cabinet
- Scalable and flexible configuration
- IP55 stainless enclosure with corrosion resistant painting
- Built-in battery management system, HVAC, and automatic fire suppression system
- Certification: cell level - UN38.3, IEC 62619, UL1973



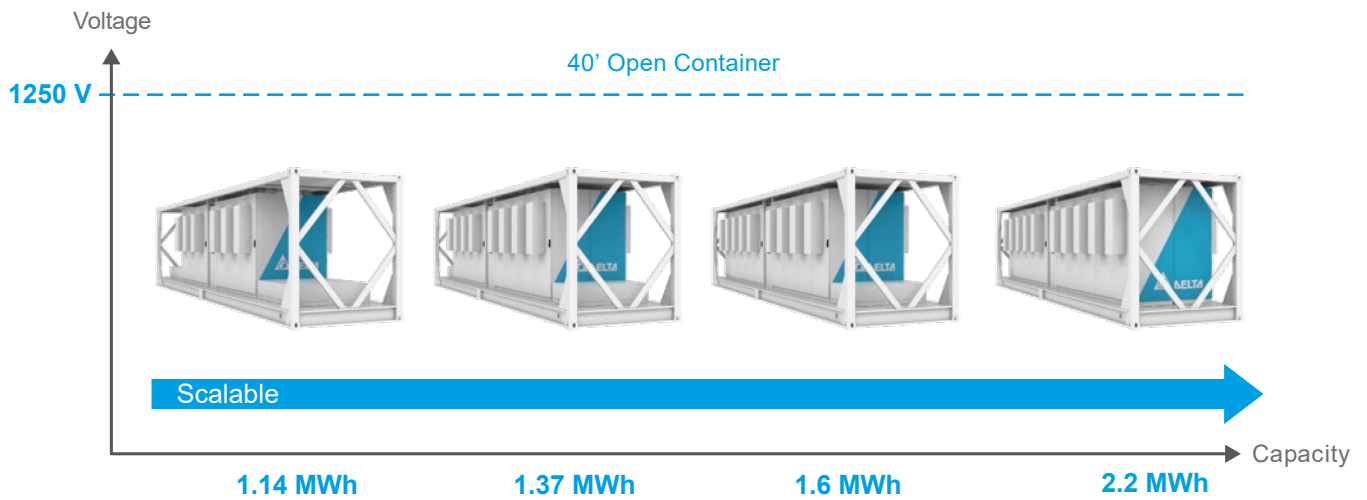
# Enhancing Reliability and Stability in Energy Management

Delta's Li-battery storage system features high-voltage output for enhancing the efficiency of energy management. With its scalable, fireproof and anti-corrosion capabilities, Delta's battery system can meet project requirements of small to large scale and is suitable for various environmental conditions, making it an ideal solution for grid ancillary services and C&I applications while ensuring reliability and safety.



## Flexible Capacity Configuration

- DC switch and Aux. power cabinet will be built-in in open container



## Component in a Battery Cabinet

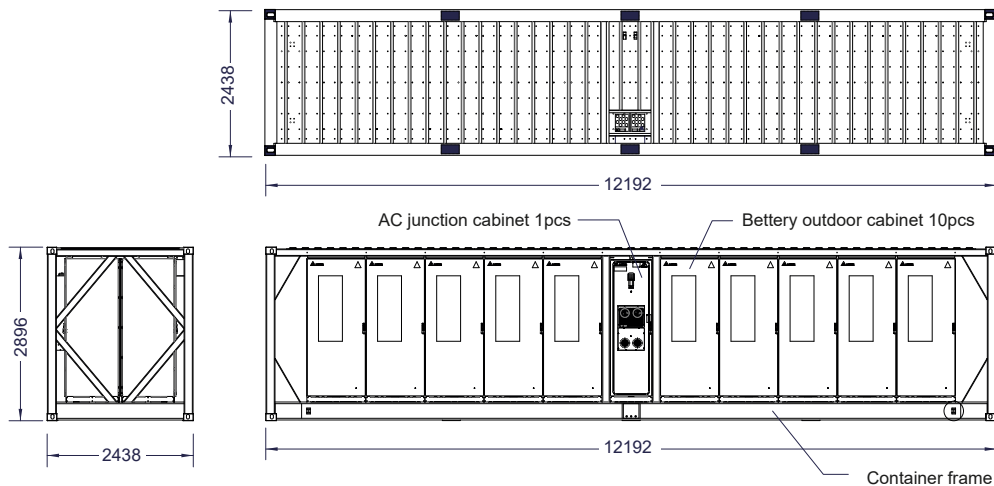
Item	Content
<b>Battery Solution</b>	<ul style="list-style-type: none"> <li>• Power type: Delta P140, NCM 57Ah</li> <li>• Continue power output: 2C</li> </ul>
<b>Structure</b>	<ul style="list-style-type: none"> <li>• IP55/ NEMA 3R</li> <li>• Connection interface: DC power, auxiliary power, communication</li> <li>• Anti-corrosion level: C5</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• Flood detection</li> <li>• Thermal and smoke sensors</li> <li>• Automatic fire suppression system</li> <li>• Aseismatic structure for GR63 Zone-4</li> </ul>



\* Picture shown for reference only

# Specifications

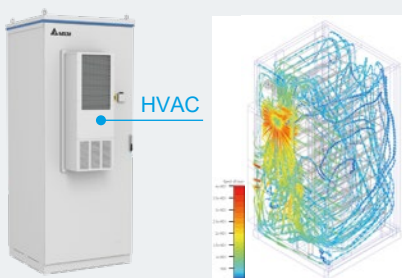
Battery Cabinet	Power Type				
Battery Chemistry	NCM				
C-Rate	2C				
Discharging Time	~ 30 Minutes				
Model Name	EBS4-TDP117S20PPR1	EBS4-TDP117S24PPV1	EBS4-TDP117S28PPX1	EBS4-TDP117S32PPZ1	EBS4-TDP117S40PPZ1
Cabinet Quantity	12	16	18	20	20
Cabinets with Battery	10	12	14	16	20
Reserved Cabinet	2	4	4	4	0
Installed Capacity (max.)	1.14MWh	1.37MWh	1.60MWh	1.80MWh	2.20MWh
DC Voltage Range	870 - 1128Vdc				
Operating Temperature	-20°C to 45°C				
Altitude	< 2000m				
Humidity	0-95% non-condensing				
Corrosion Resistance	Cabinet: SUS304 Enclosure with corrosion resistant painting / Container Frame: C5 Corrosion resistance level				
Accessories	<ul style="list-style-type: none"> <li>• HVAC</li> <li>• Rack controller</li> <li>• Flood detector</li> <li>• Automatic fire suspension system</li> </ul>		<ul style="list-style-type: none"> <li>• Smoke / temperature detector</li> <li>• Stainless enclosure with IP55/ NEMA 3R</li> <li>• Aseismatic structure for GR63 Zone4</li> </ul>		
Gross Weight	33062kg/ 14994lbs	37933kg/ 17203lbs	41824kg/ 189671lbs	45715kg/ 20732lbs	51538kg/ 23373lbs
Dimension (L x D x H)	L:40'xW:8'H:9'6" (12192 x 2438 x 2896 mm)				



## Safety Design

### Thermal Management

- Thermal management from the individual cabinet level
- Equipped with an HVAC in each cabinet to optimize the efficiency of cooling and consistency of temperature with air flow guides.



### Anti-Fire Propagation

- Alarm mechanism: smoke and thermal detector
- Fire insulation mechanism to prevent fire propagation.
- Automatic fire suppression system



### Protection

- Sensor: flood, smoke, temperature
- Shockproof design GR63 Zone-4



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