
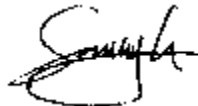
			Title		
			System Interface Specification (2.69MWh Container)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	P400-5101	00
USER					
RELEASE					
MANUAL CHANGE PROHIBITED					SHEET 1 OF 4

System Interface Specification

2.69MWh Container Battery System

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Enertech International, Inc.		/	

TITLE	SIZE	DOCUMENT NO.	REV
System Interface Specification (2.69MWh Container)	A4	P400-5101	00
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1. Battery System Parameters

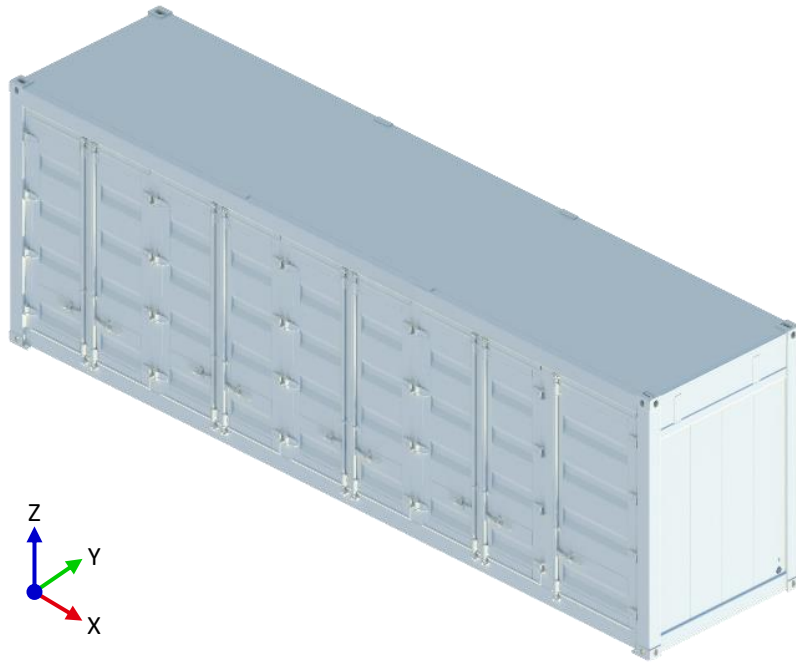
Specific parameters for the battery system blocks are detailed in the chart below

Parameter	Units	Specification	Note
Cell	Ah	60	ETI123100302 E60A
Series		224	Eighteen battery racks
Parallel		54	Eighteen battery racks
Battery Configuration			
Cell Modules	Modules	1008	Each cell module contains 12 cells (4s3p)
Battery Capacity (BOL)			
Rated	Ah	3240	Calculated based on cell capacity
Battery Capacity (EOL)			
Rated	Ah	2268	Estimated at 70%
Battery Voltage			
Max	V	940.8	Determined at maximum cell voltage
Nom	V	828.8	Determined at nominal cell voltage
Min	V	604.8	Determined at minimum cell voltage
Battery Energy			
Rated	kWh	2685	Calculated value based on theoretical system capacity
Battery Discharge Power			
Standard	kW	805	At nominal system voltage (972A*828.8V)
Max	kW	2685	At nominal system voltage (3240A*828.8V)
Battery Charge Power			
Standard	kW	805	At nominal system voltage (972A*828.8V)
Max	kW	2685	At nominal system voltage (3240A*828.8V)
Battery Discharge Current			
Standard	A	972	Continuous between 20% and 100% SOC
Max	A	3240	Continuous between 20% and 100% SOC
Battery Charge Current			
Standard	A	972	Continuous between 0% and 80% SOC
Max	A	3240	Continuous between 0% and 80% SOC
Miscellaneous			
Mass	kg	30,000	Approximate calculated value
Battery Shelf Life	years	5	Continuous between 20% and 80% SOC
Operating Temperature/Humidity			
Max	% RH	85	Range (cell min/max)
Min	% RH	45	Range (cell min/max)
Max	Degrees °C	55	Zero Current Limited Above Max Operating Temp
Min(Discharge)	Degrees °C	(-)20	Zero Current Limited Below Min Operating Temp
Min(Charge)	Degrees °C	0	Zero Current Limited Below Min Operating Temp
Storage Temperature	Degrees °C	(-)20 to 25 <1year	Range (cell min/max)

Table 1 Product Technical Specifications

TITLE	SIZE	DOCUMENT NO.	REV
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2. Mechanical Drawings



Parameter	Unit	Value
X Dimension	mm	8,720
Y Dimension	mm	2,050
Z Dimension	mm	2,900
Mass	kg	30,000

Figure 1 Pack Outline Drawing