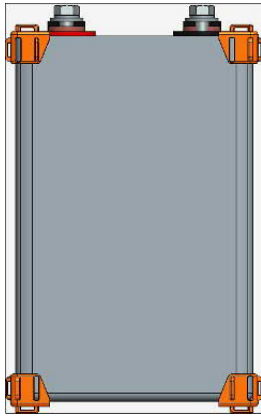
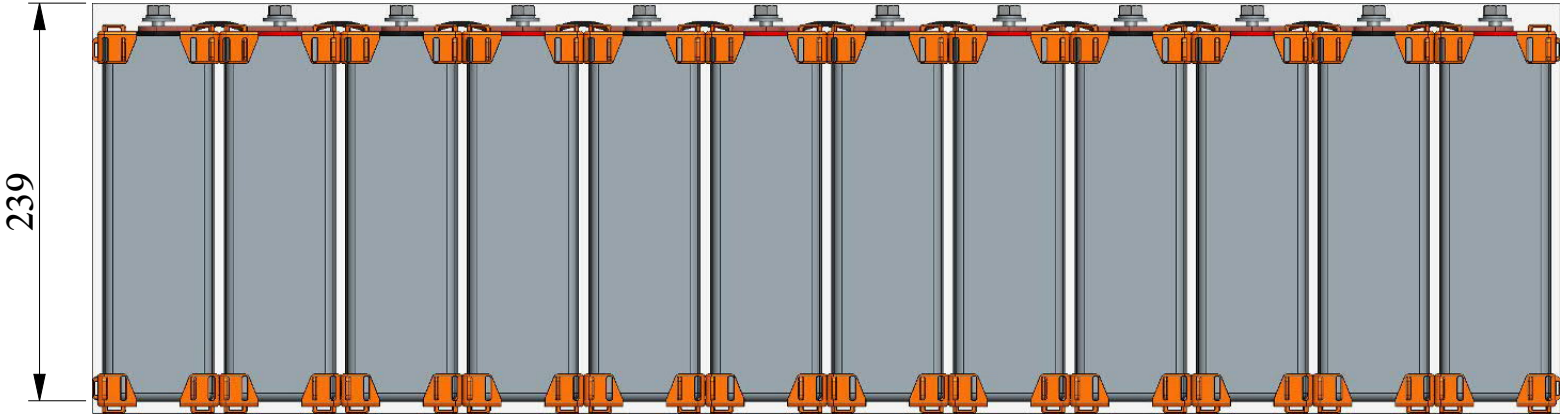
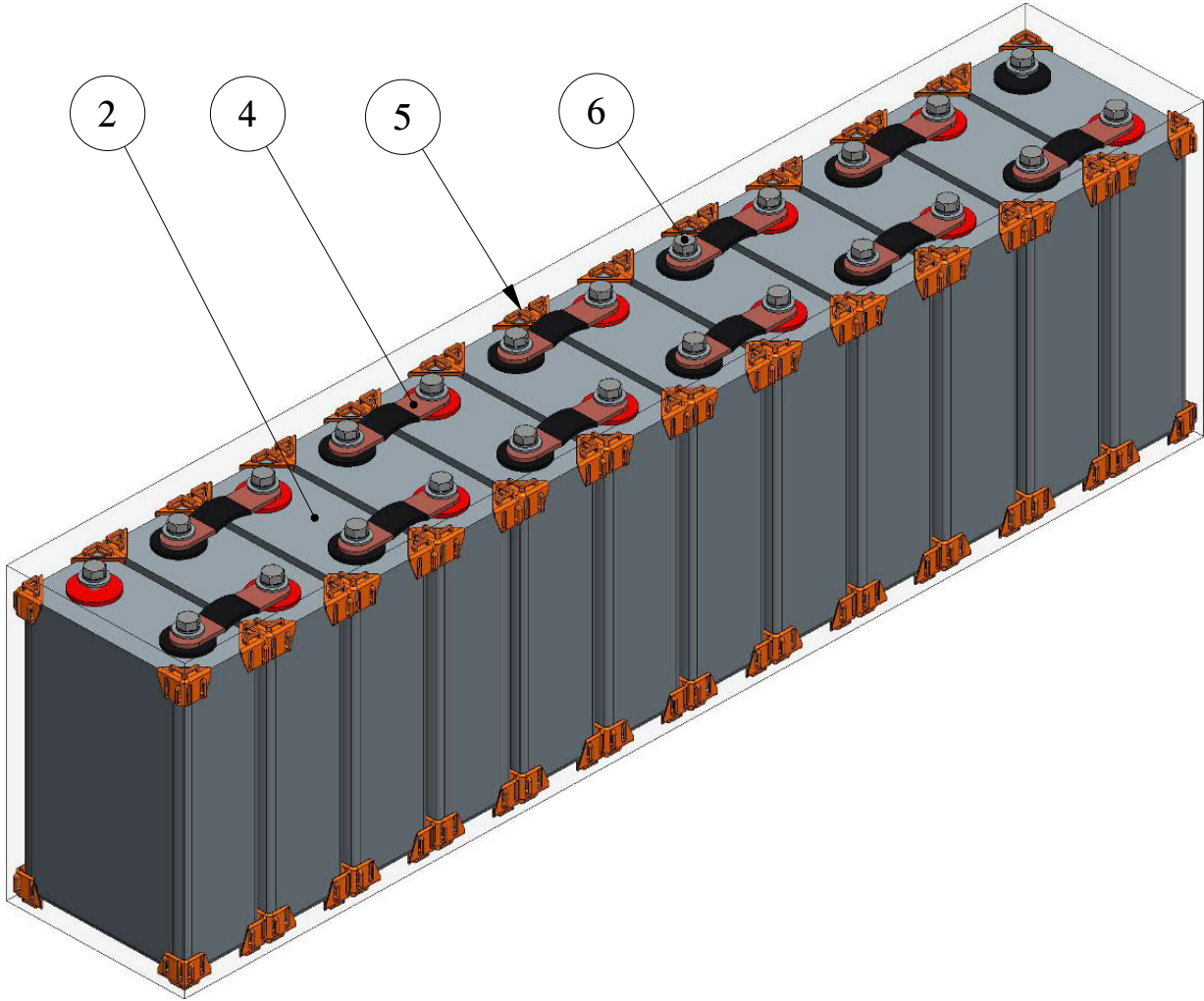
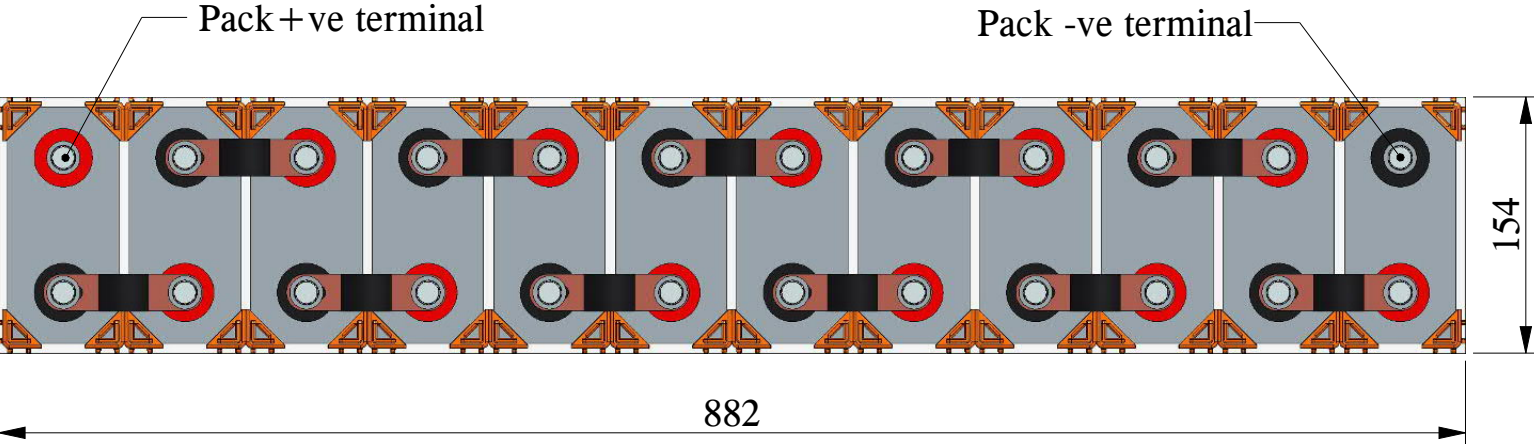

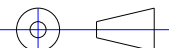


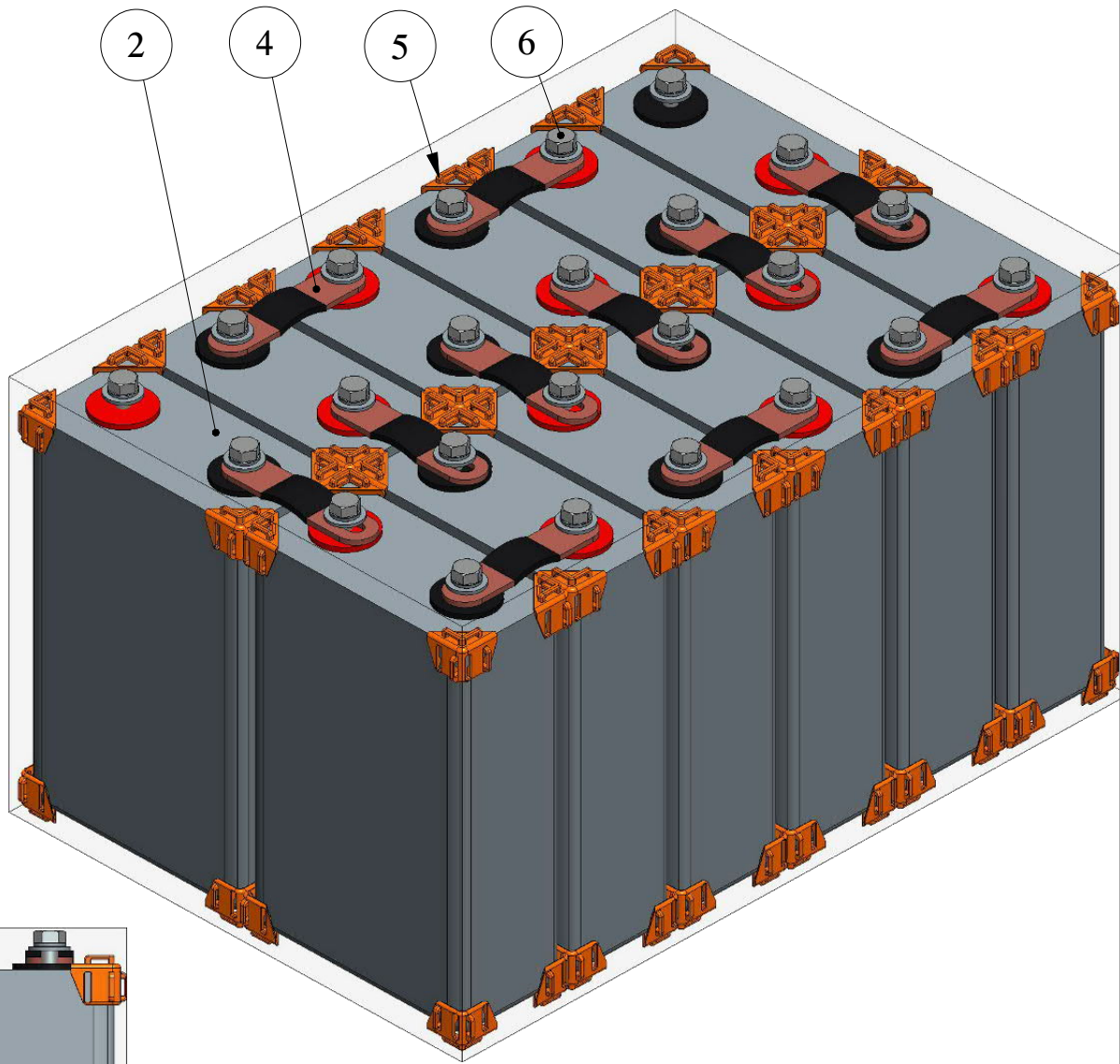
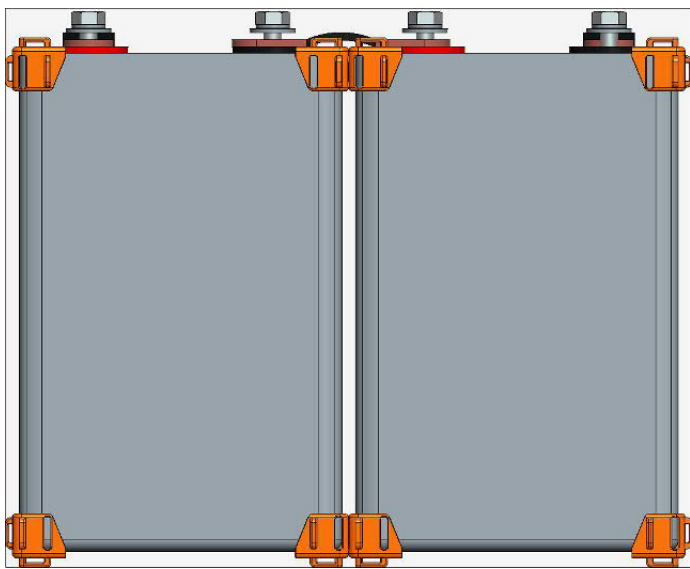
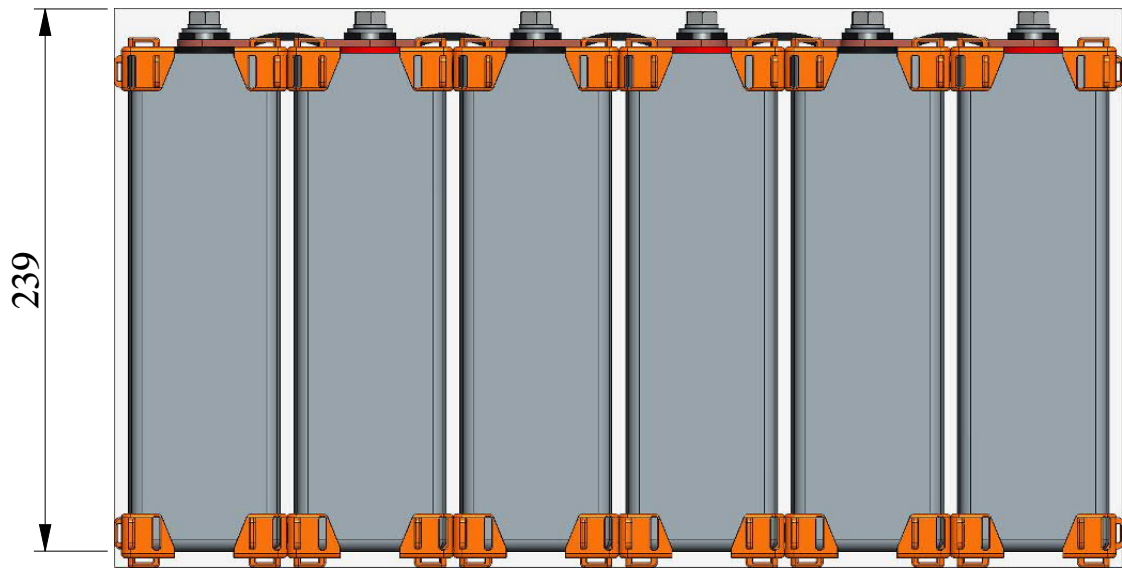
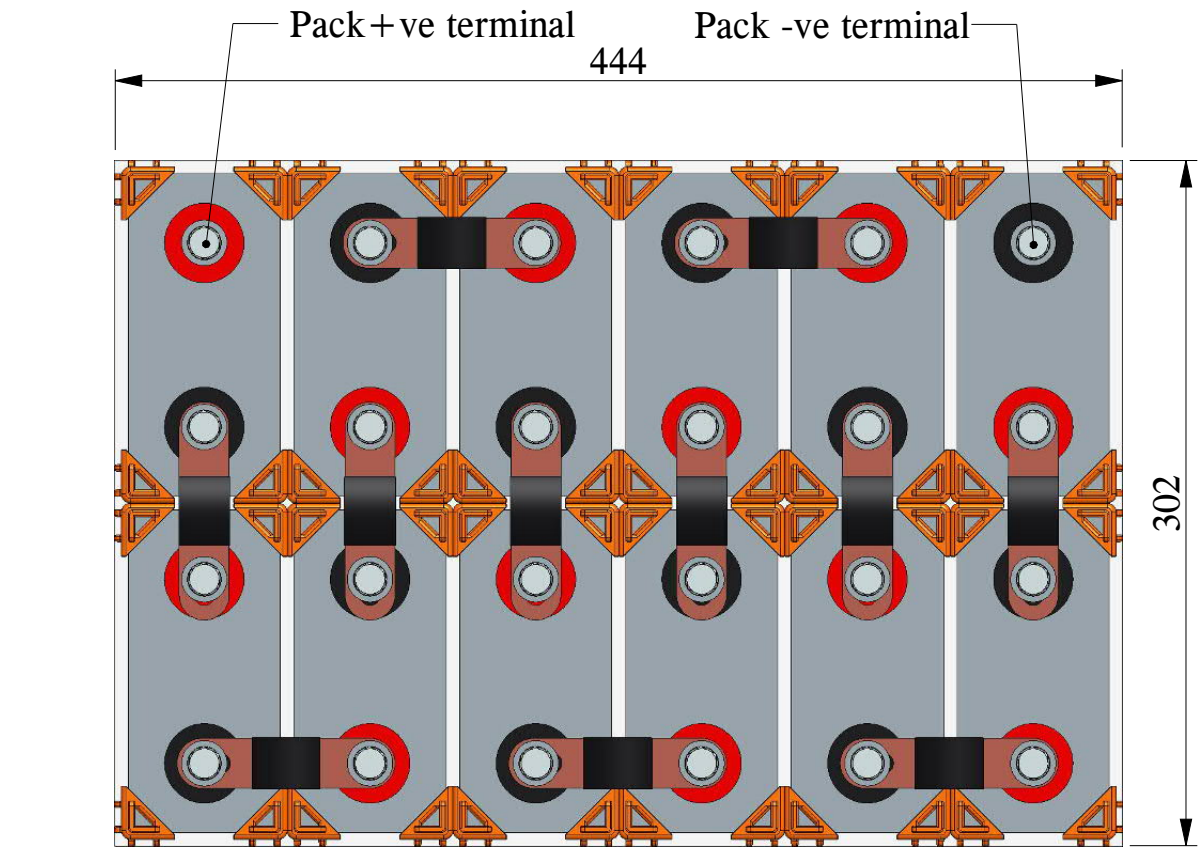
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	12
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



Pack Energy Storage Capacity	3.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	100 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12

 GreenStorm Solutions www.greenstorm.com.au	Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5 	LiFePO4 Battery Pack						Description
	ACN 126 091 727		Project						
			The Battery Volt						Mass kg
			BV-CALB100-1P12S-36V-AS					41.42	
			SeaStorm Marine Pty Ltd www.seastorm.com.au	Prepared For	Refer to BOM		Material	Assemble	
Initial Release							Current Revision Description		
Designed	Drawn	Checked			Approved	Revision	Sheet No		
DH	DH	DH			DH	A	1 OF 20		
								</	

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	12
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



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Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12

LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB100-1P12S-2X6-36V-AS		Drawing Number	41.42
Refer to BOM		Material	Assemble
Initial Release		Current Revision Description	
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ACN 126 091 727

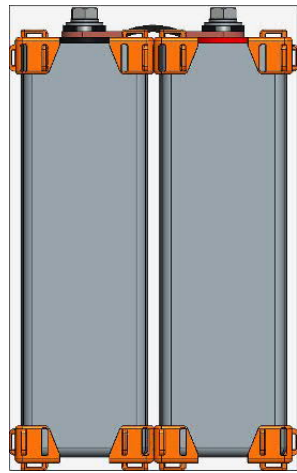
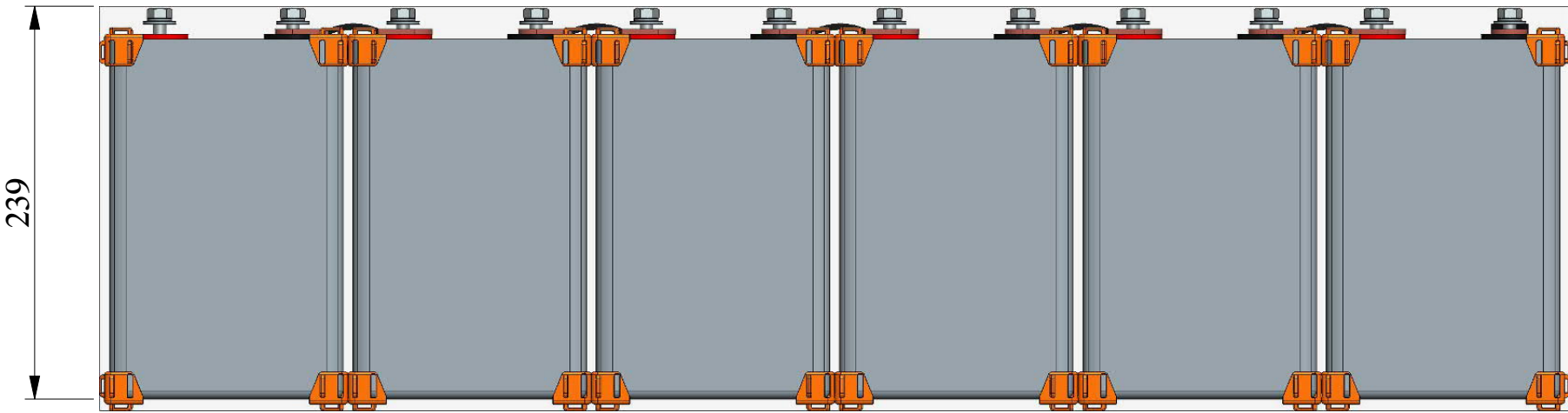
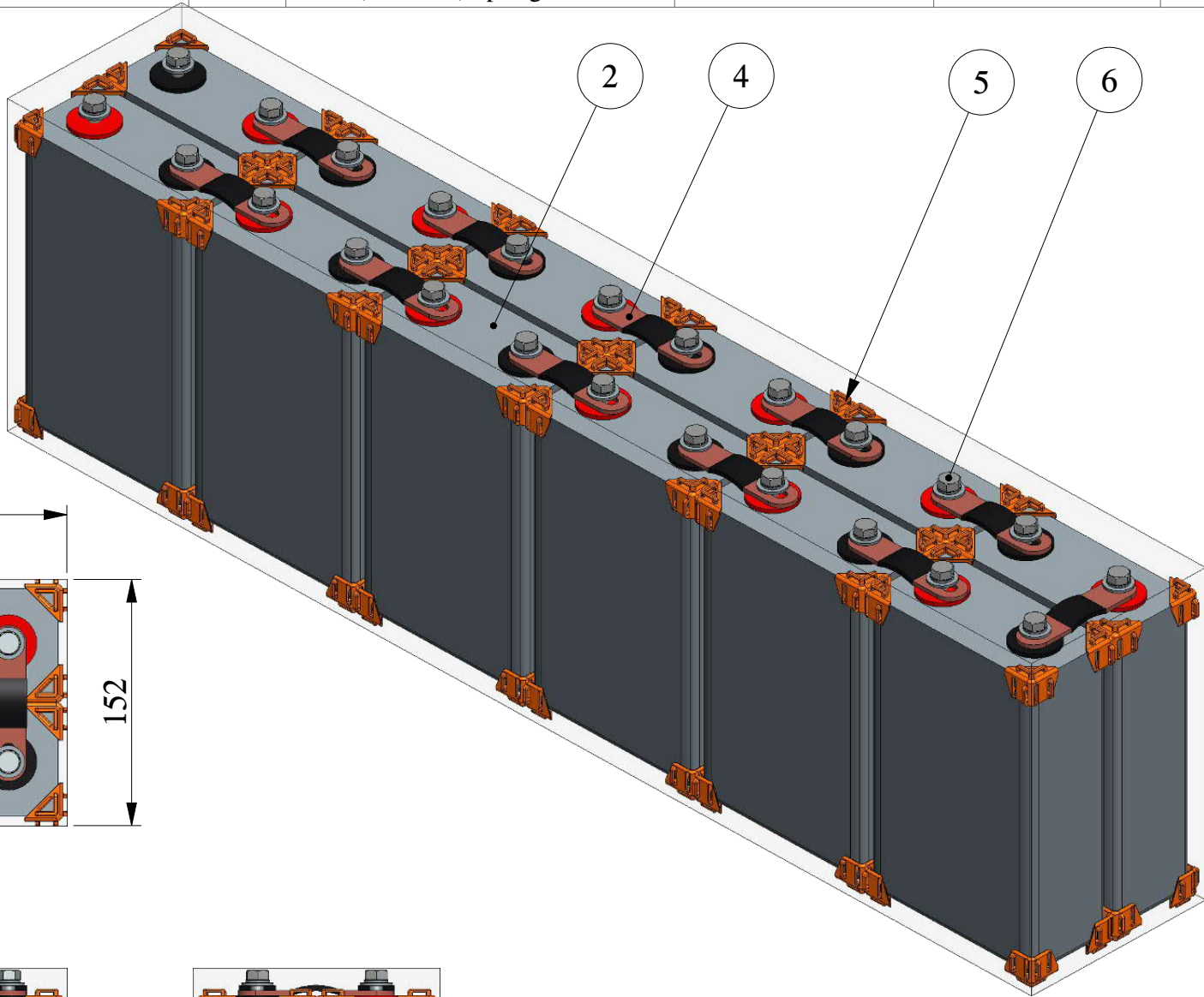
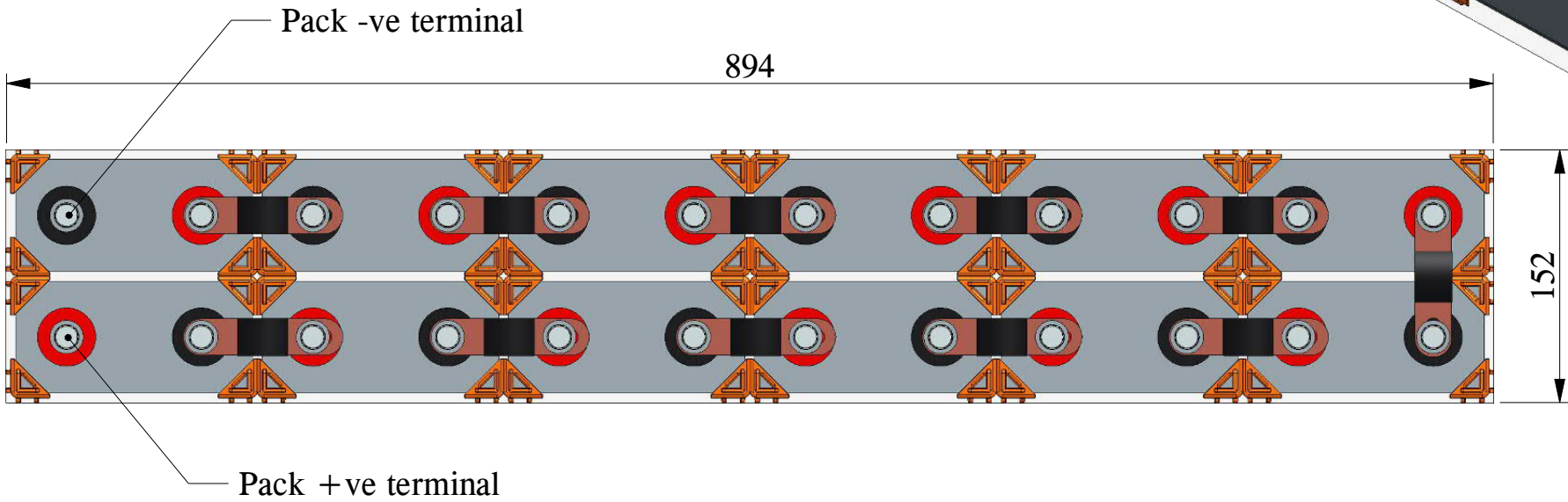
Prepared For

UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5


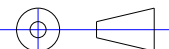


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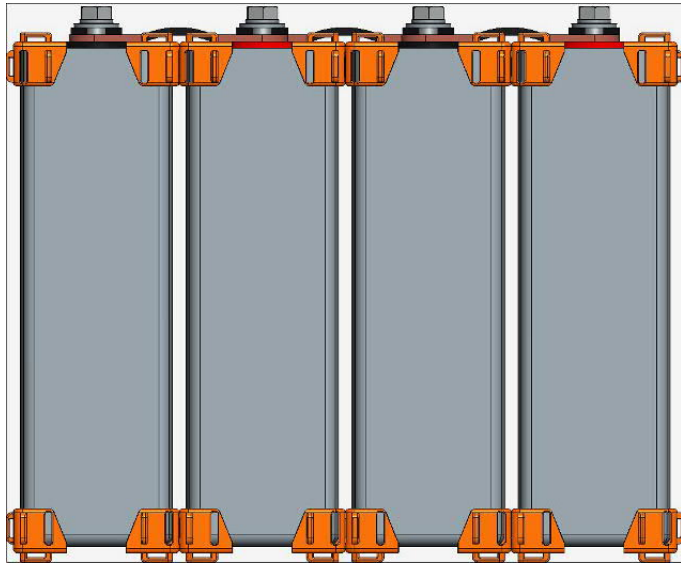
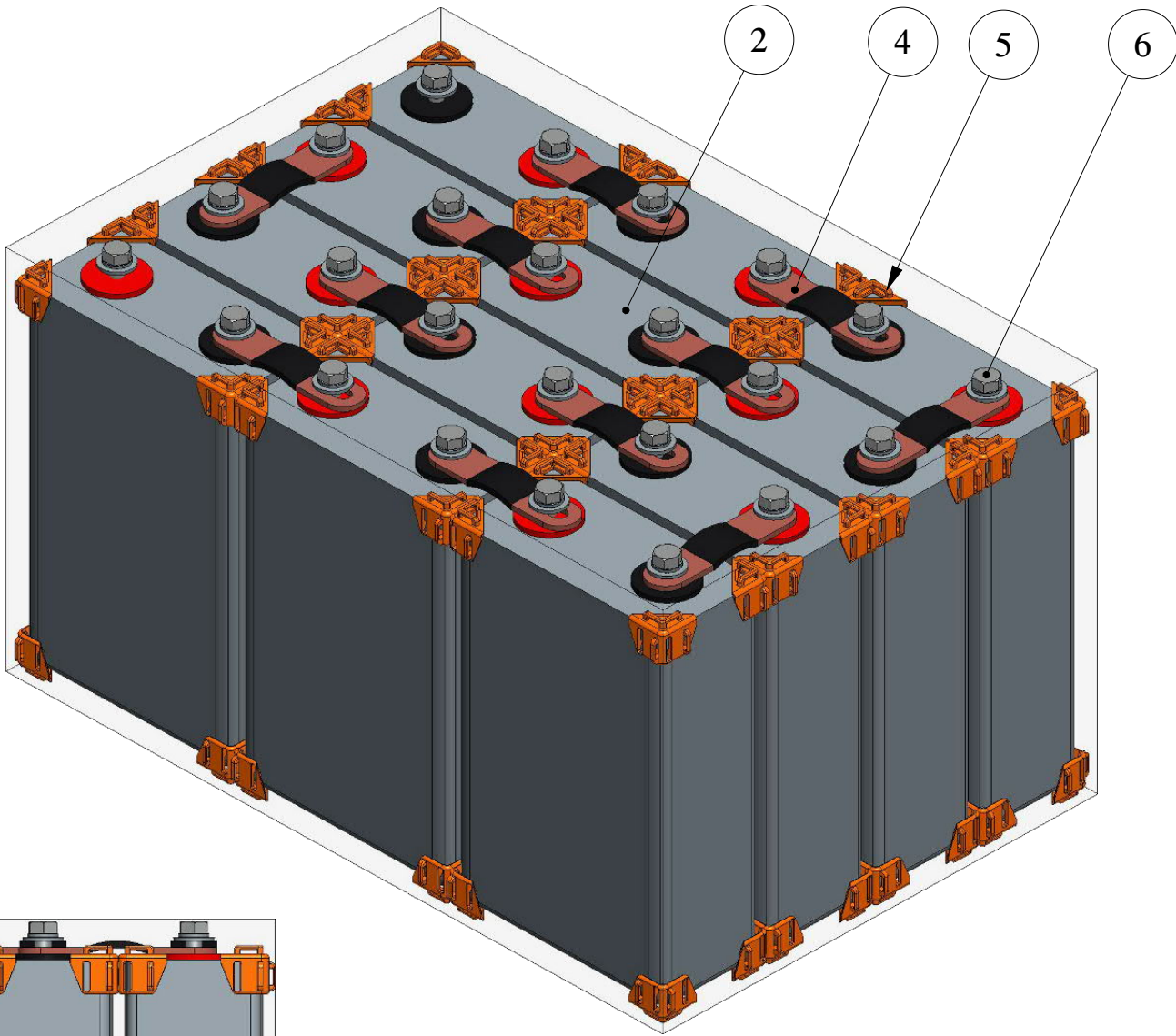
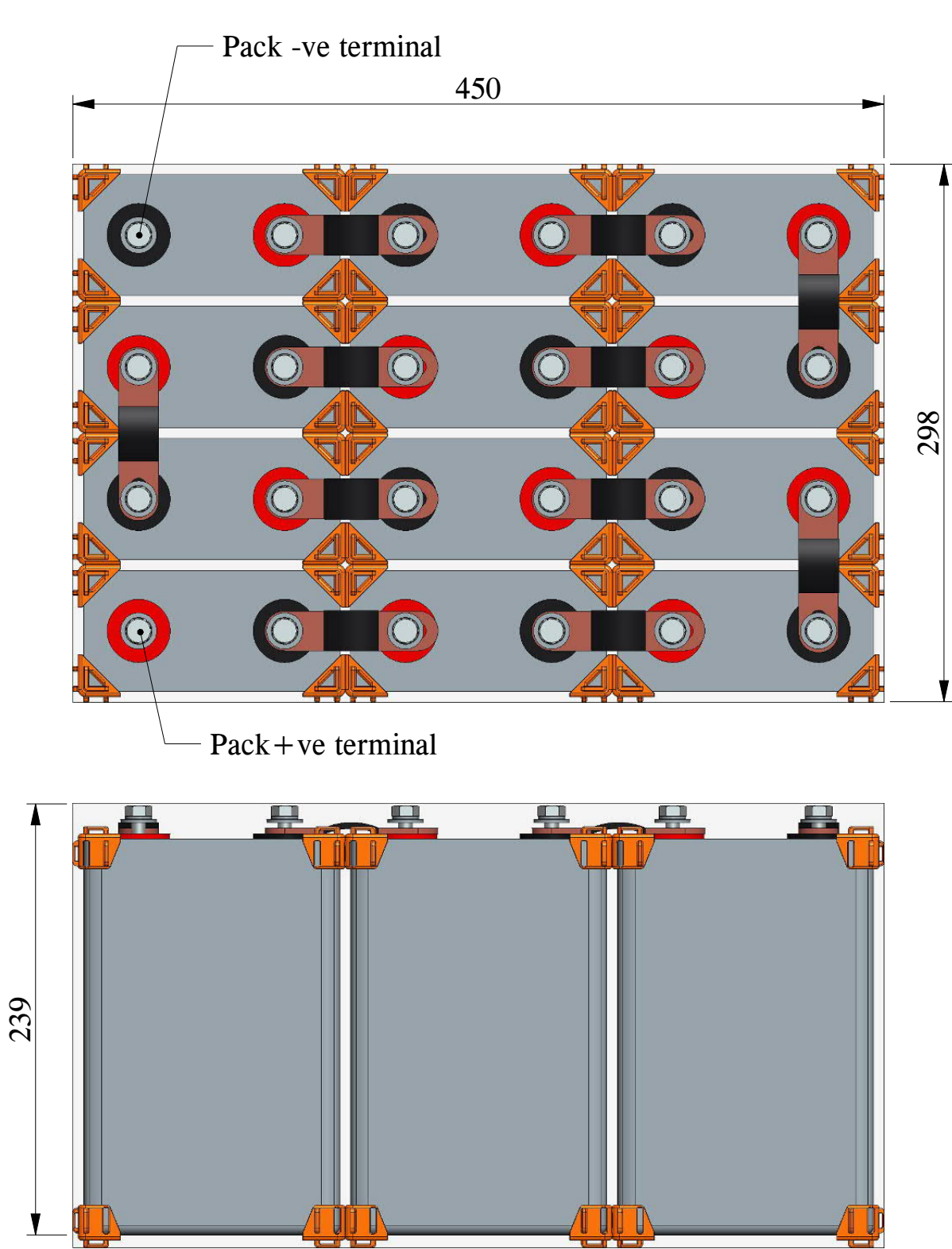
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	12
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



Pack Energy Storage Capacity	3.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	100 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12

 GreenStorm Solutions www.greenstorm.com.au	Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5 	LiFePO4 Battery Pack						Description	
	ACN 126 091 727		The Battery Volt						Project	
SeaStorm Marine Pty Ltd www.seastorm.com.au	Prepared For		BV-CALB100-1P12S-6X2-36V-AS				Drawing Number	41.42	Mass kg	
			Refer to BOM		Material	Assemble		Process	Finish	
			Initial Release						Current Revision Description	
			Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 3 OF 20		

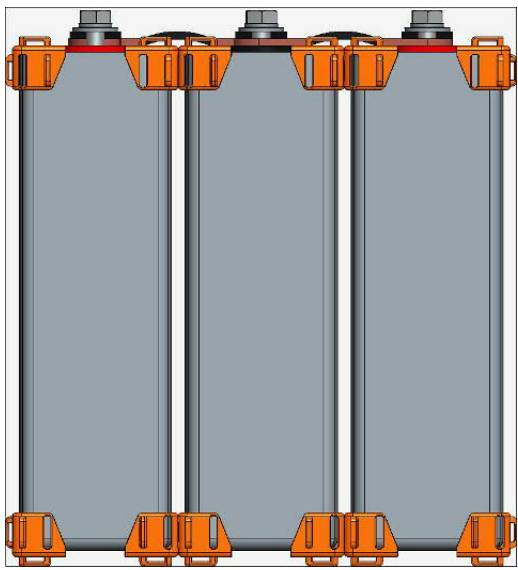
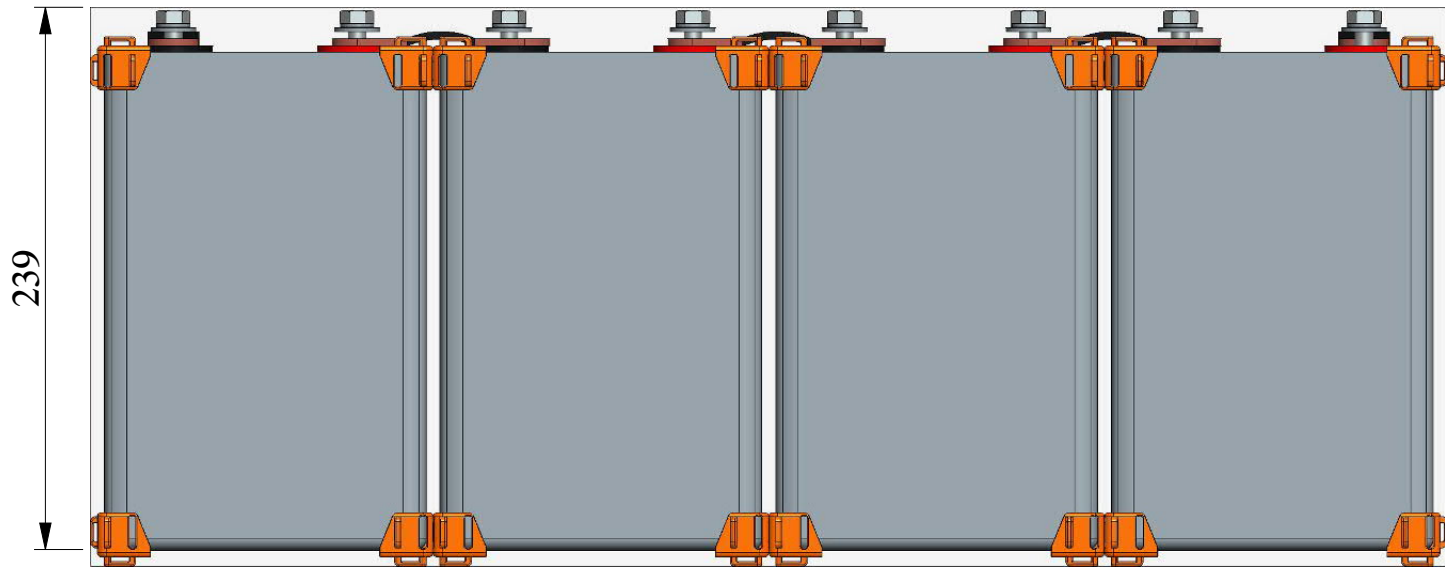
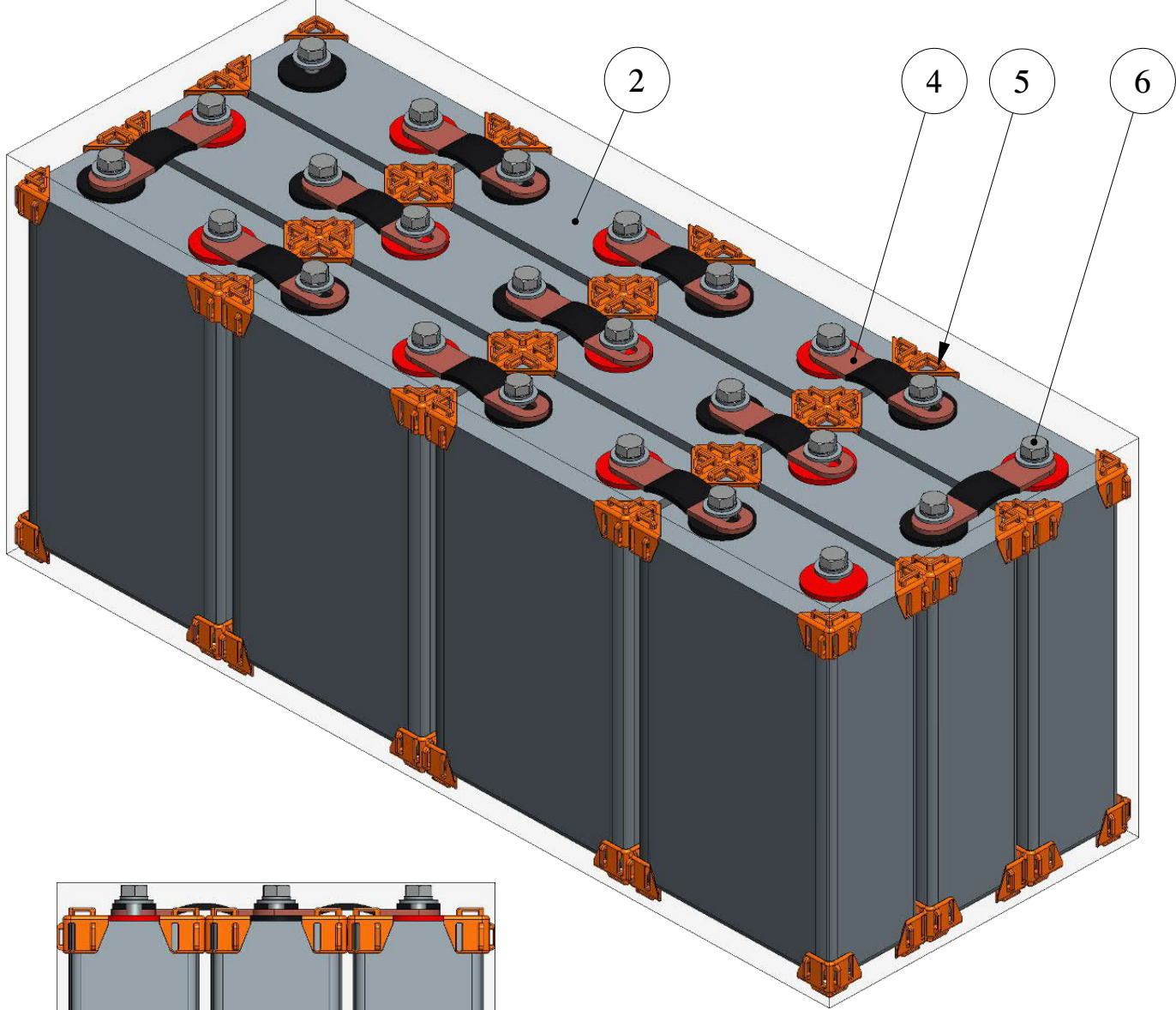
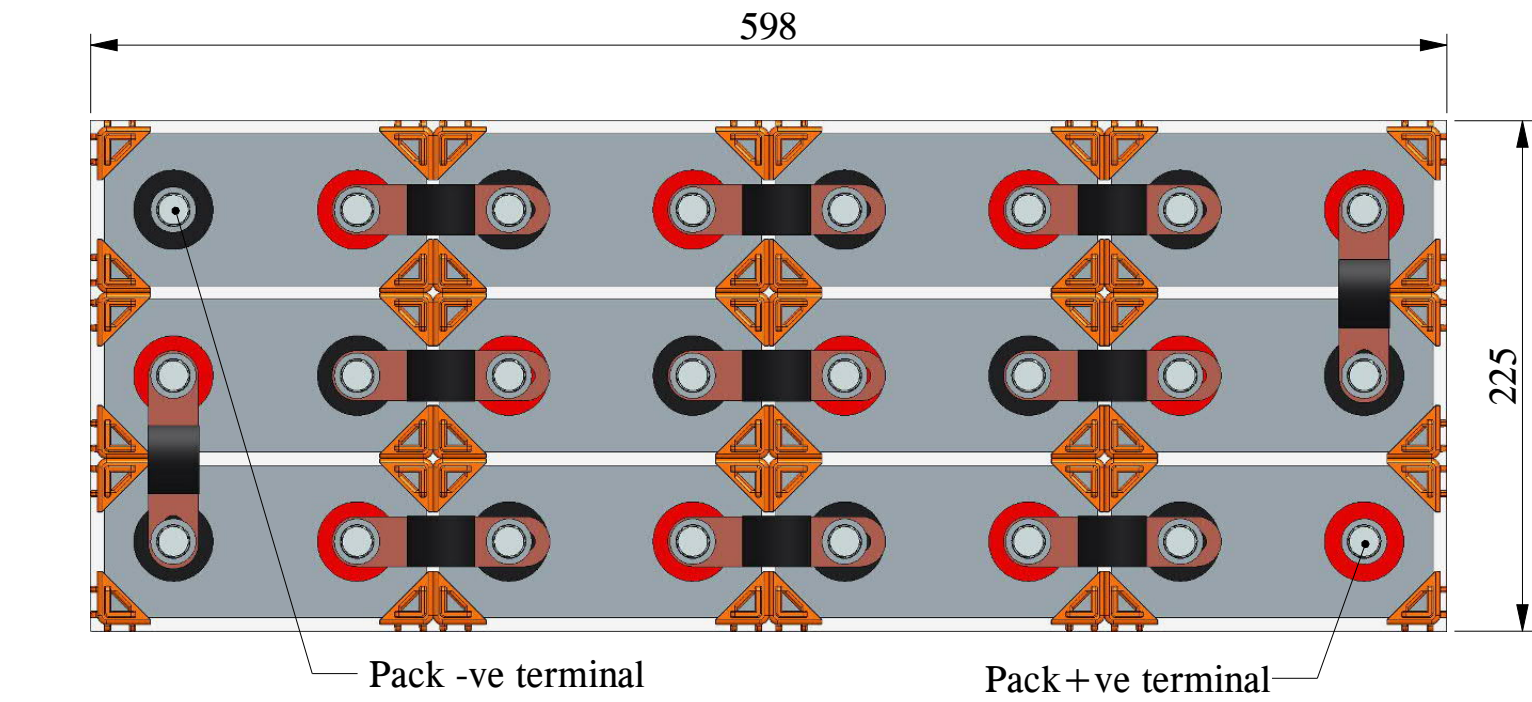
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	12
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24




Pack Energy Storage Capacity	3.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	100 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12

Prepared By		UNLESS OTHERWISE STATED		LiFePO4 Battery Pack		Description
GreenStorm Solutions		DIMS ARE IN MM		The Battery Volt		Project
www.greenstorm.com.au		TOLERANCES		BV-CALB100-1P12S-3X4-36V-AS		Mass kg
ACN 126 091 727		x.xx ± 0.01		Drawing Number		41.42
SeaStorm Marine Pty Ltd		x.x ± 0.1		Material		Finish
www.seastorm.com.au		x ± 0.5		Assemble		Current Revision Description
Prepared For		HOLE Ø +0.15		Initial Release		
		ANGLES ± 0.5		Designed		Sheet No
				DH		4 OF 20
				01Oct20		
				01Oct20		
				08Oct20		
				08Oct20		
				Revision		
				A		
				08Oct20		

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	12
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
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Pack Energy Storage Capacity	3.8 kWh
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Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12



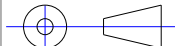
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ACN 126 091 727

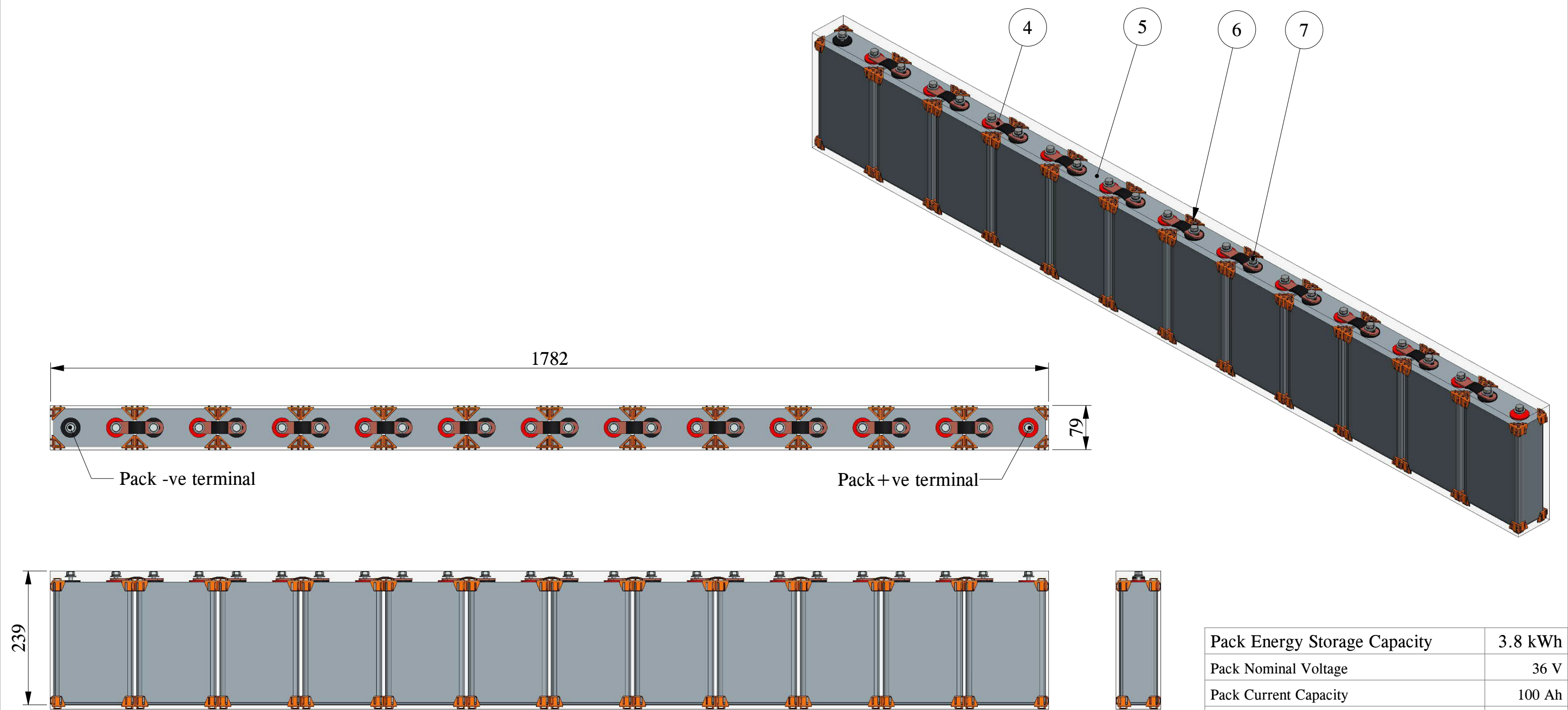
Prepared For
SeaStorm Marine Pty Ltd
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UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5




LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB100-1P12S-4X3-36V-AS		Drawing Number	41.42
Refer to BOM	Material	Assemble	Process
Initial Release		Current Revision Description	
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20
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Item	Part Number	REV	Description	Material	Mass Each kg	Qty
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	11
5	SS-BV-CA100-PI	A	CALB 100 Ah LiFEPO4 Cell	Lithium Iron Phosphate	2.9	12
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



Pack Energy Storage Capacity	3.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	100 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	1
Series Cells	12



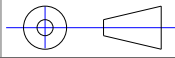
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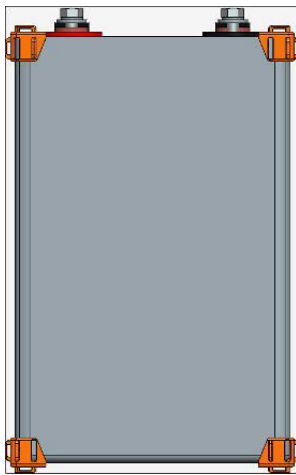
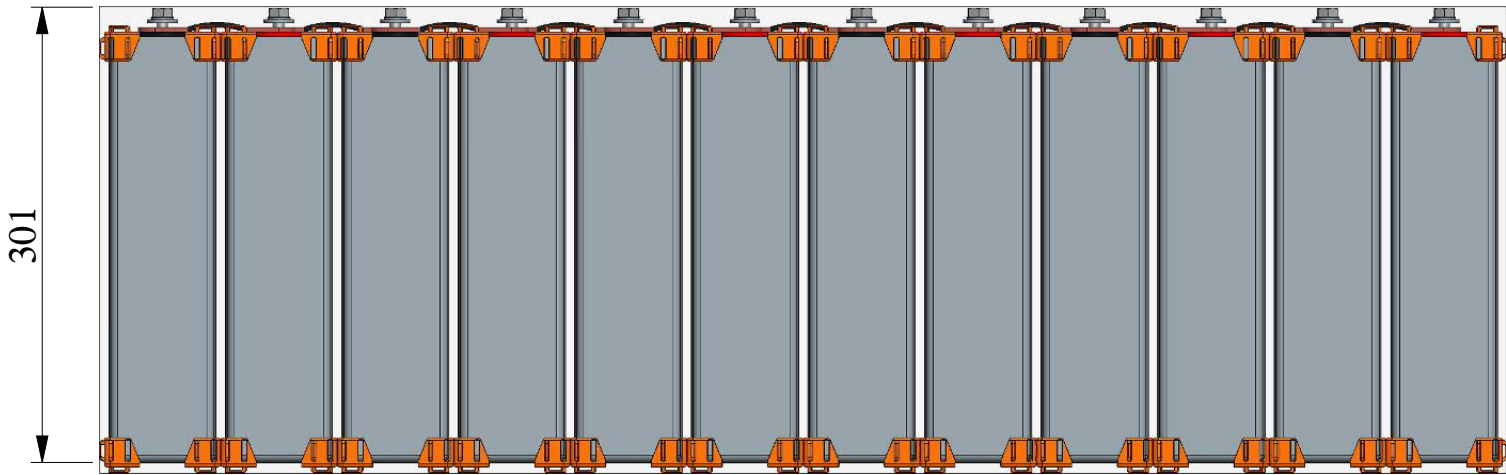
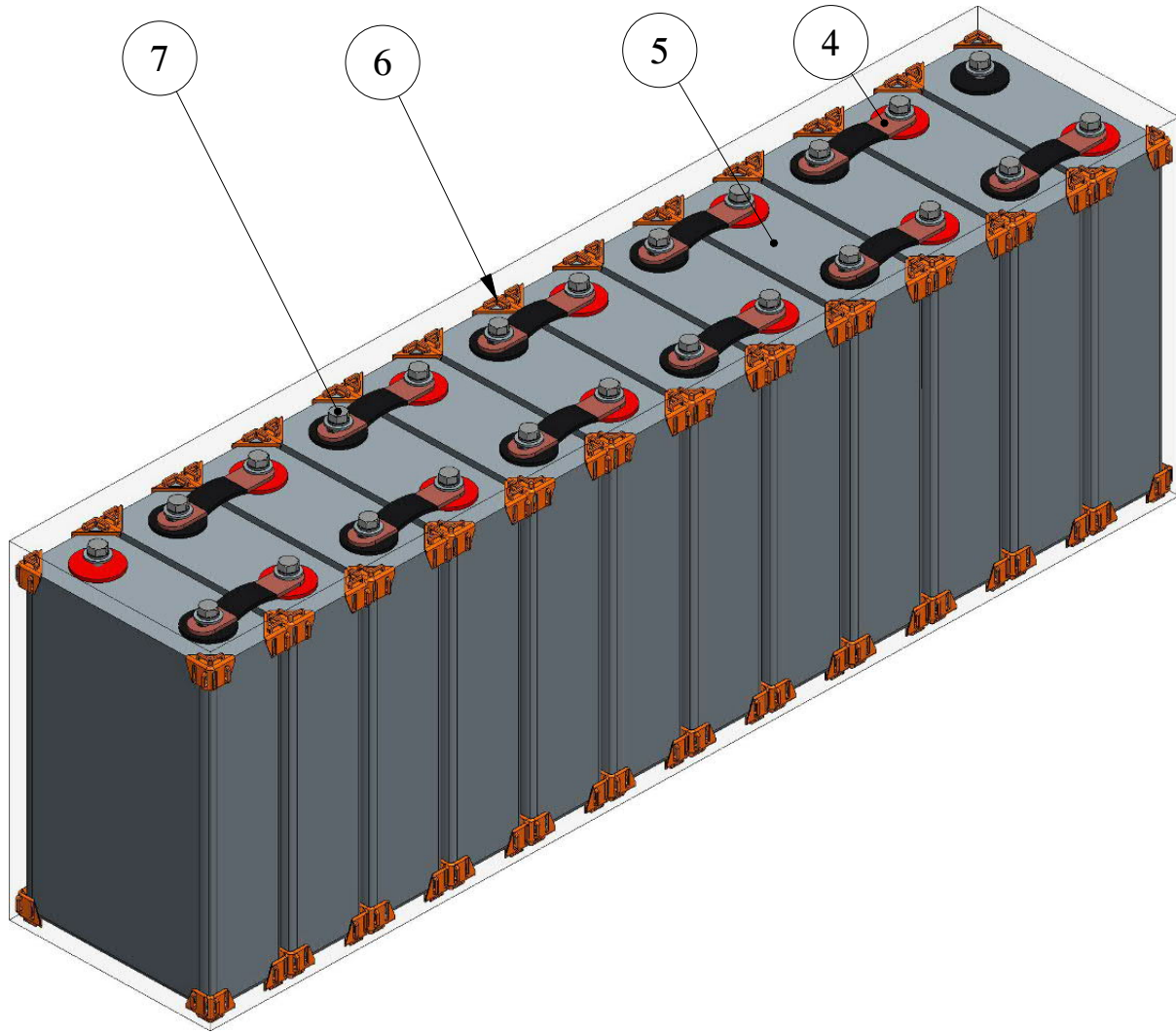
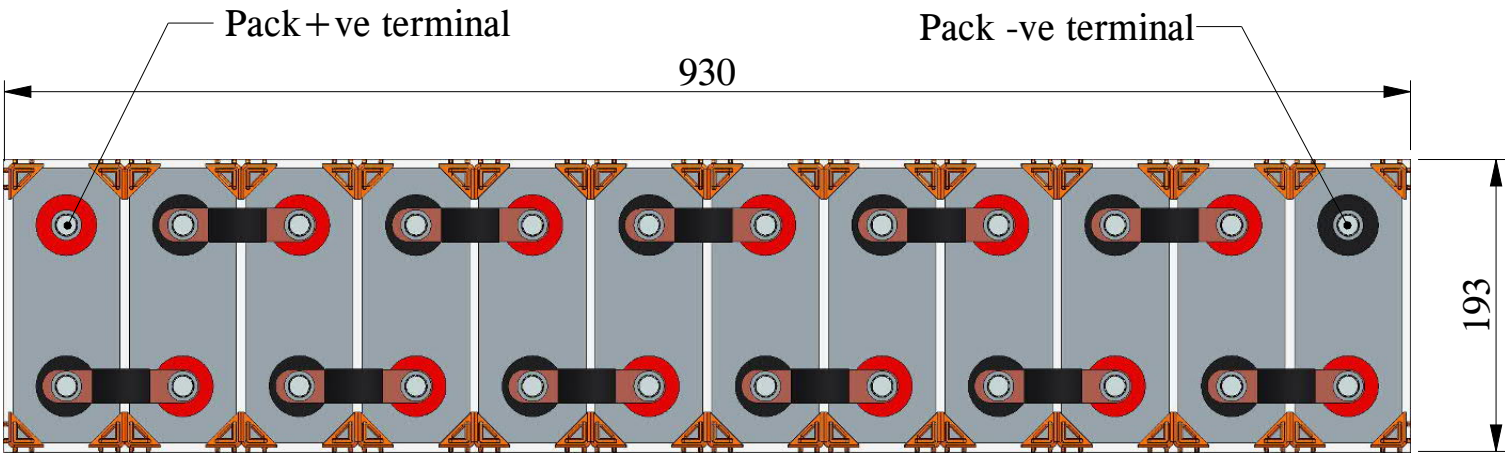
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UNLESS OTHERWISE
STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



LiFePO4 Battery Pack					Description	
The Battery Volt					Project	
BV-CALB100-1P12SL-36V-AS				Drawing Number	41.42	Mass kg
Refer to BOM			Material	Assemble	Process	Finish
Initial Release						
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 6 OF 20	

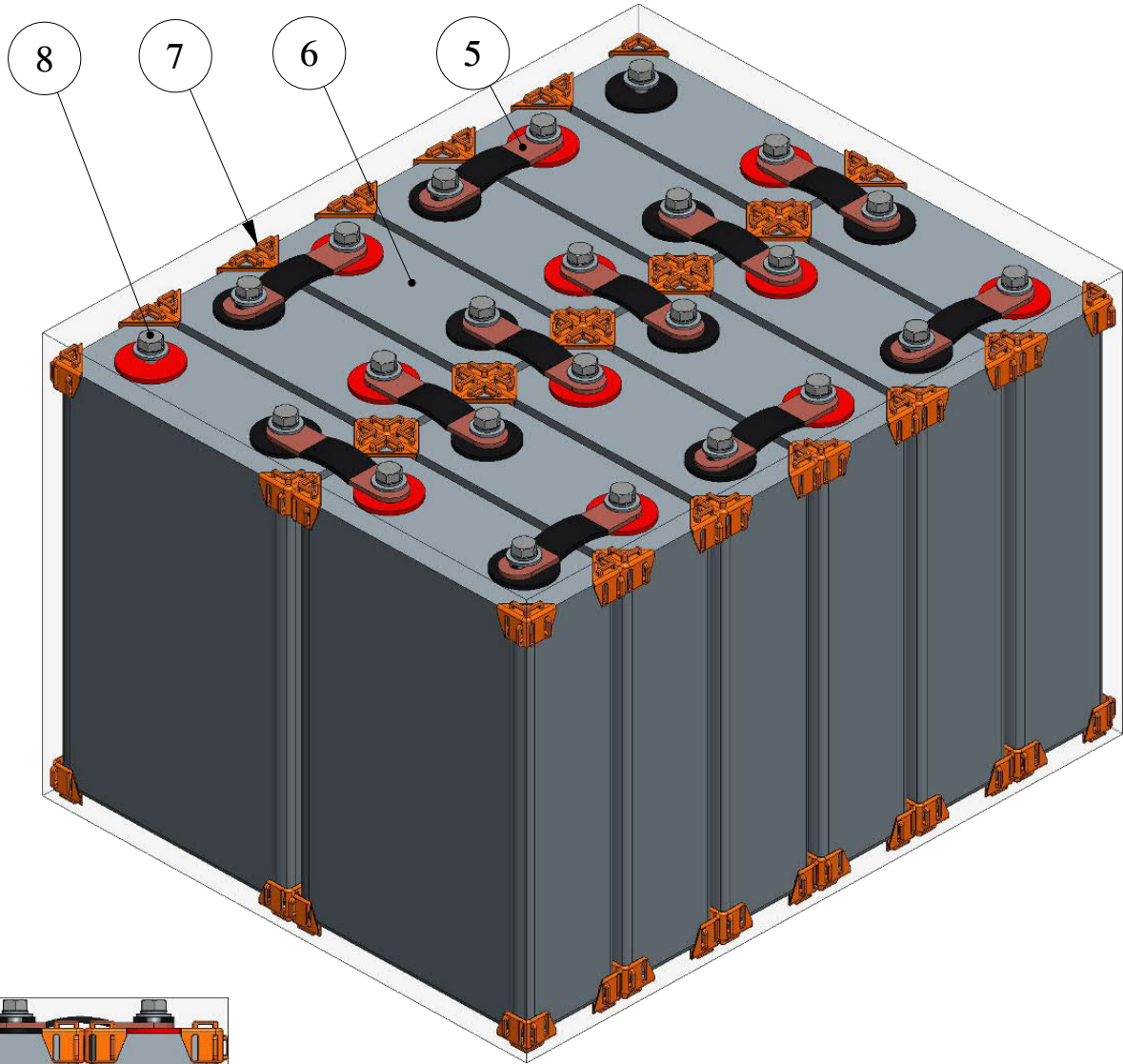
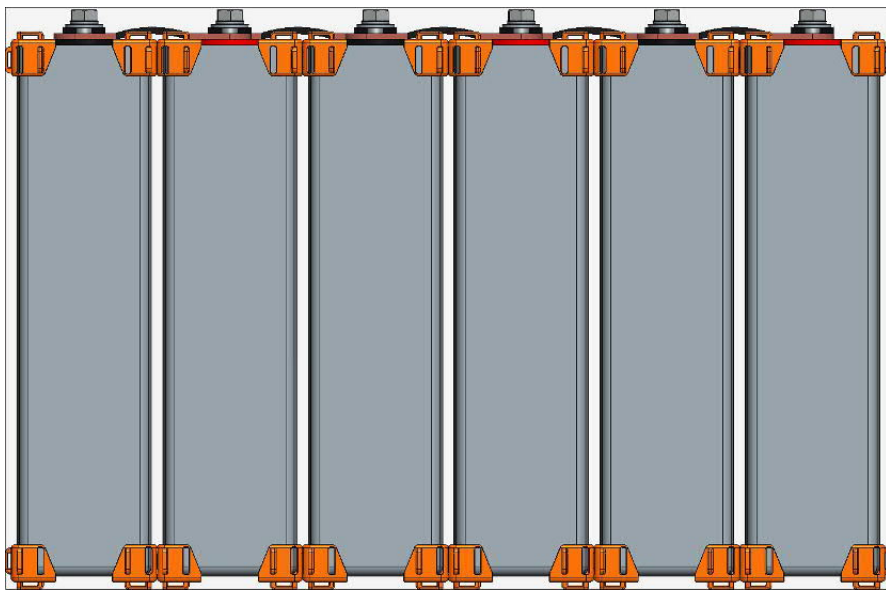
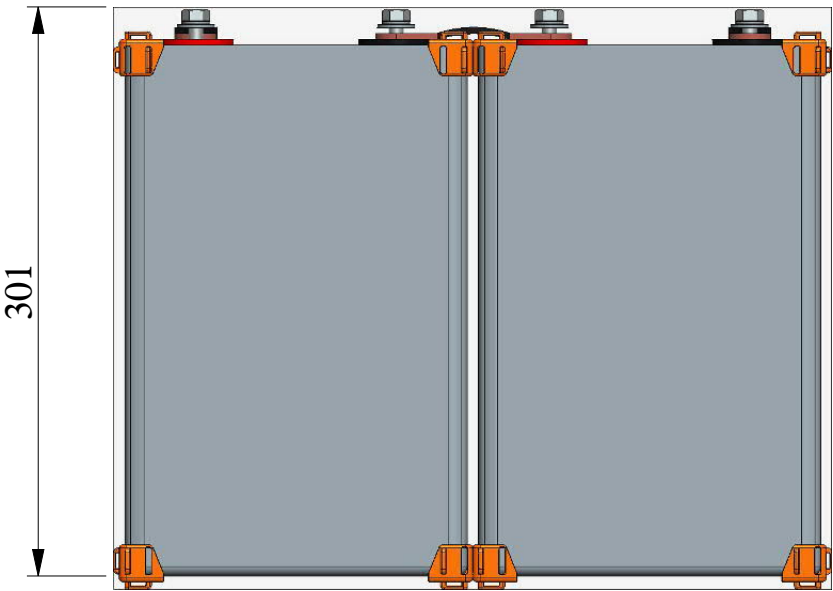
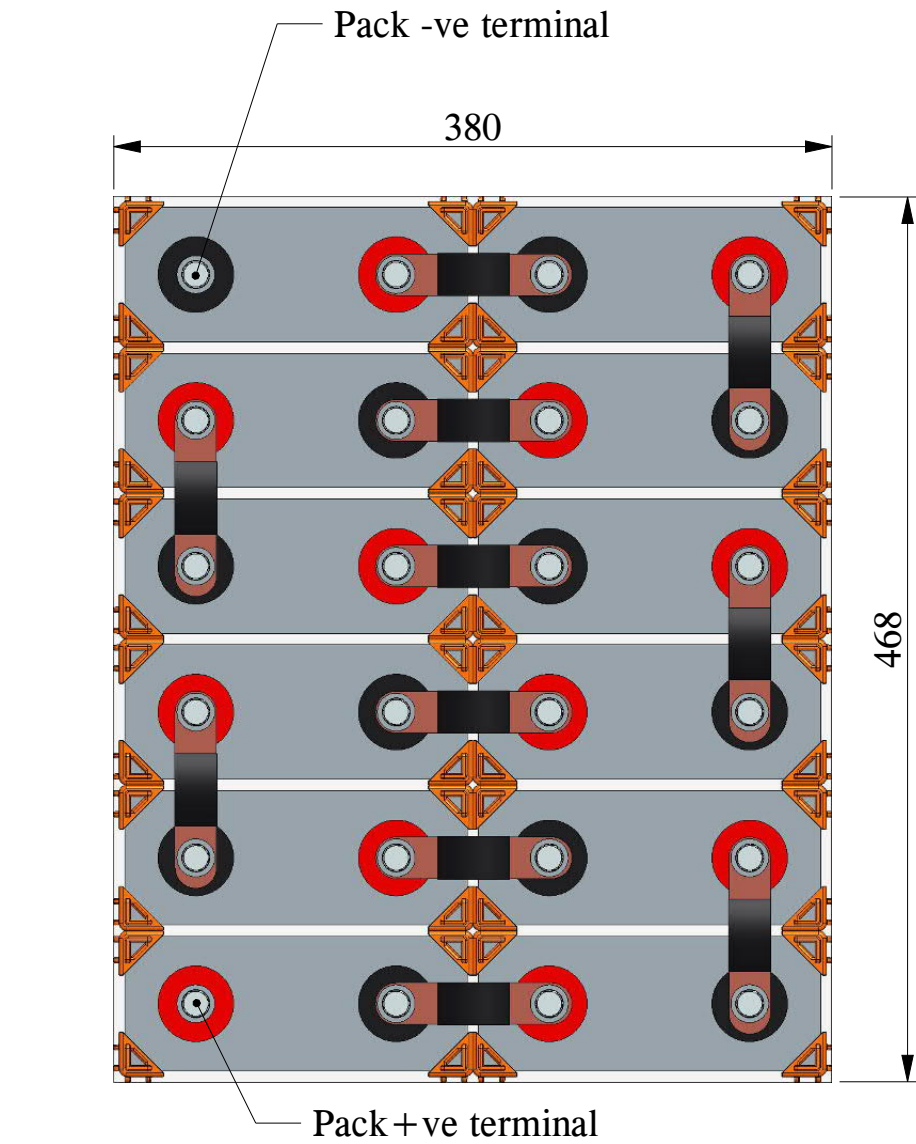
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
4	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
5	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	12
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



Pack Energy Storage Capacity	6.9 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	180 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	1
Series Cells	12

Prepared By		UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5		Description	
GreenStorm Solutions www.greenstorm.com.au		ACN 126 091 727		LiFePO4 Battery Pack	
SeaStorm Marine Pty Ltd www.seastorm.com.au		Prepared For		The Battery Volt	
				Drawing Number	41.42
				BV-CALB180-1P12S-36V-AS	Mass kg
				Refer to BOM	Finish
				Assemble	Process
				Initial Release	Current Revision Description
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 7 OF 20

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
5	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
6	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	12
7	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
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Cell Current Capacity	180 Ah
Parallel Cells	1
Series Cells	12

LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB180-1P12S-2X6-36V-AS		Drawing Number	41.42
Refer to BOM		Material	Assemble
Initial Release		Current Revision Description	
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20
Revision A 08Oct20		Sheet No 8 OF 20	



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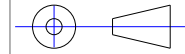
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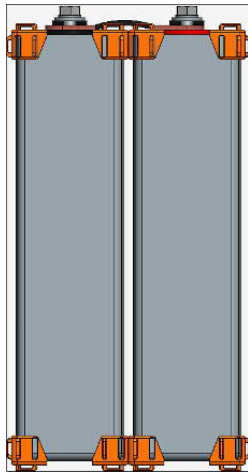
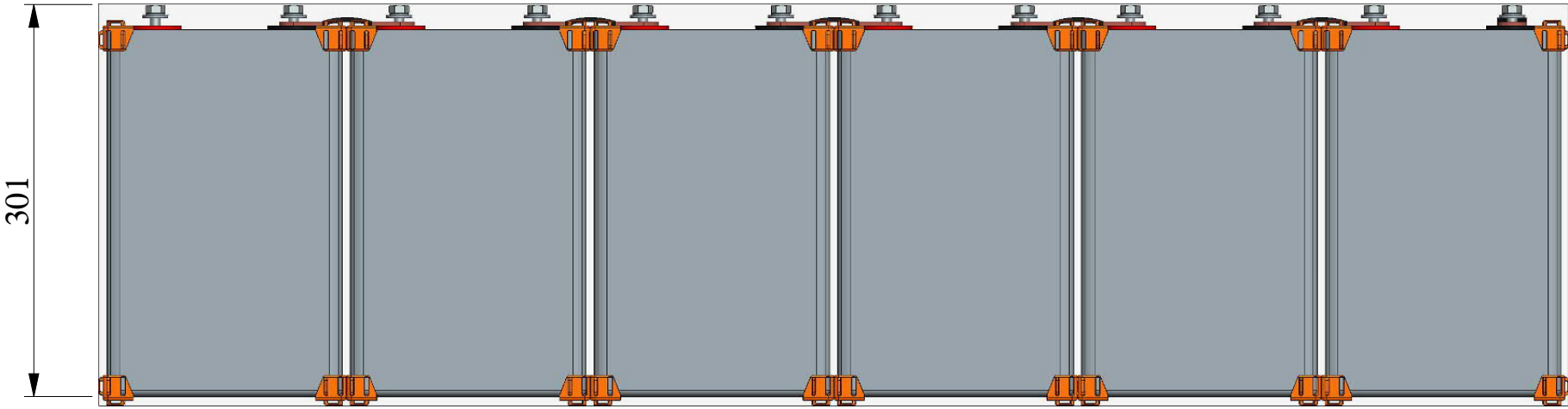
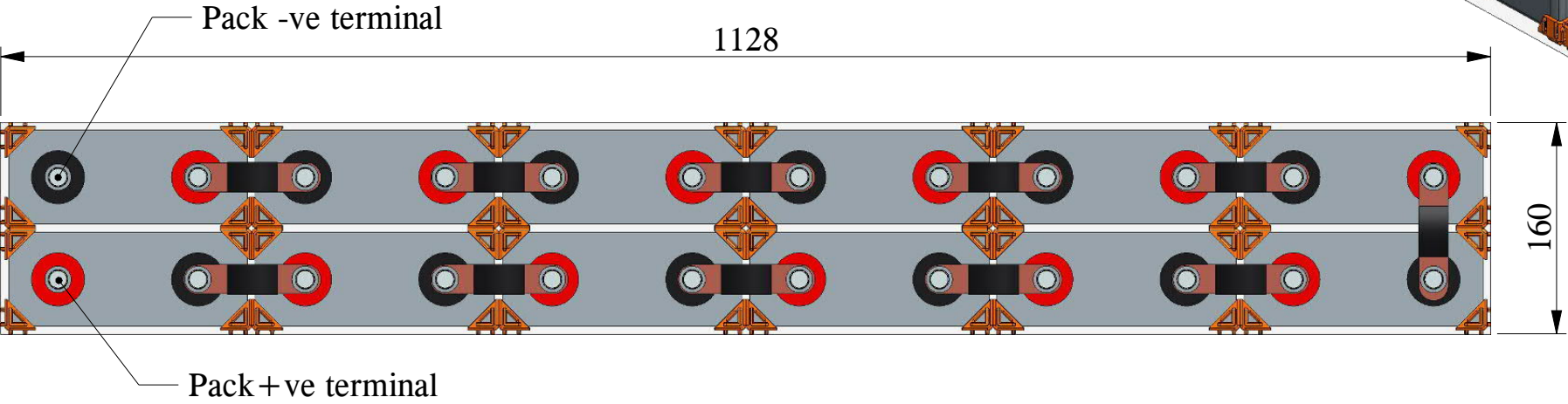
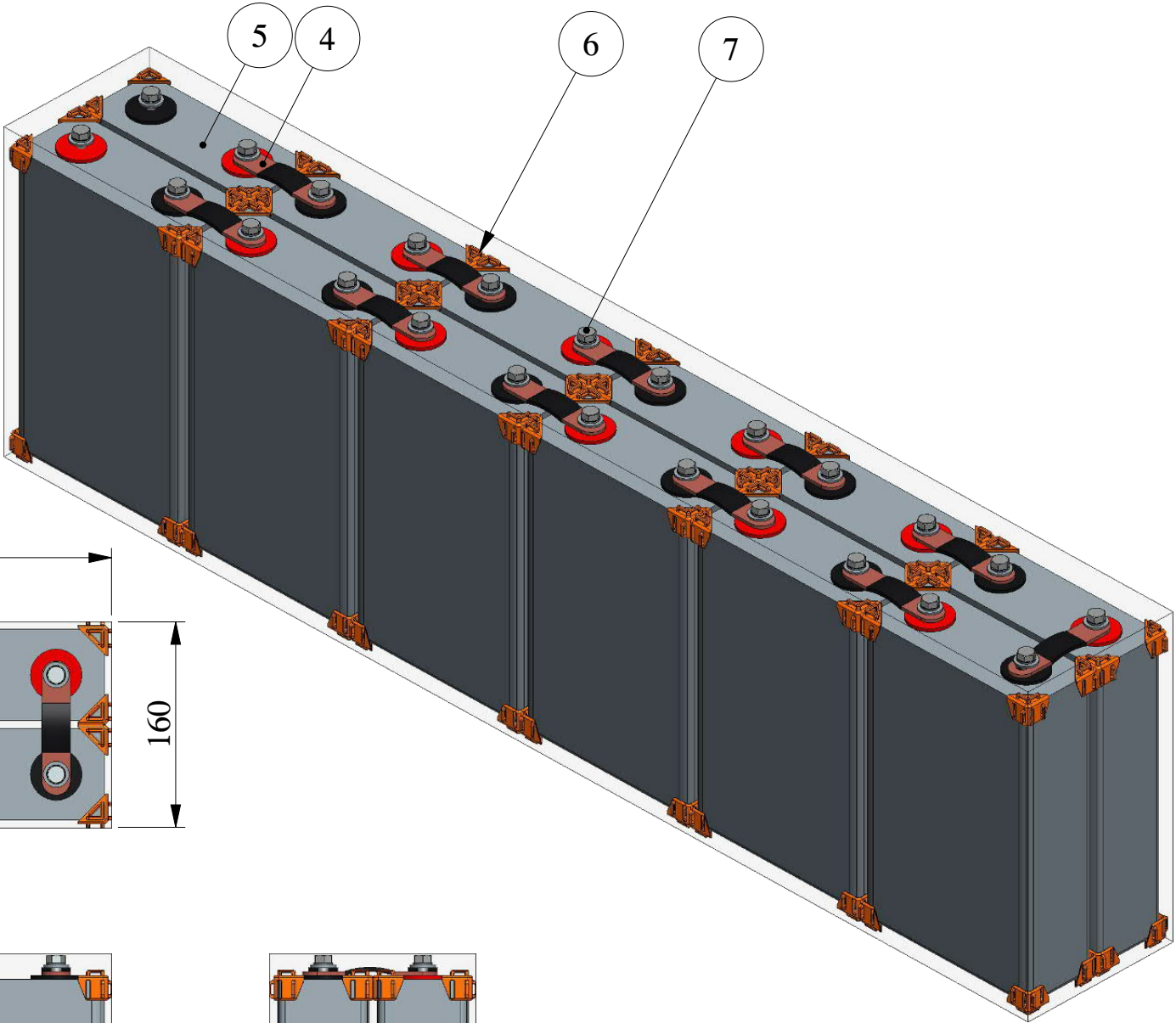
SeaStorm Marine Pty Ltd

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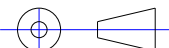
UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



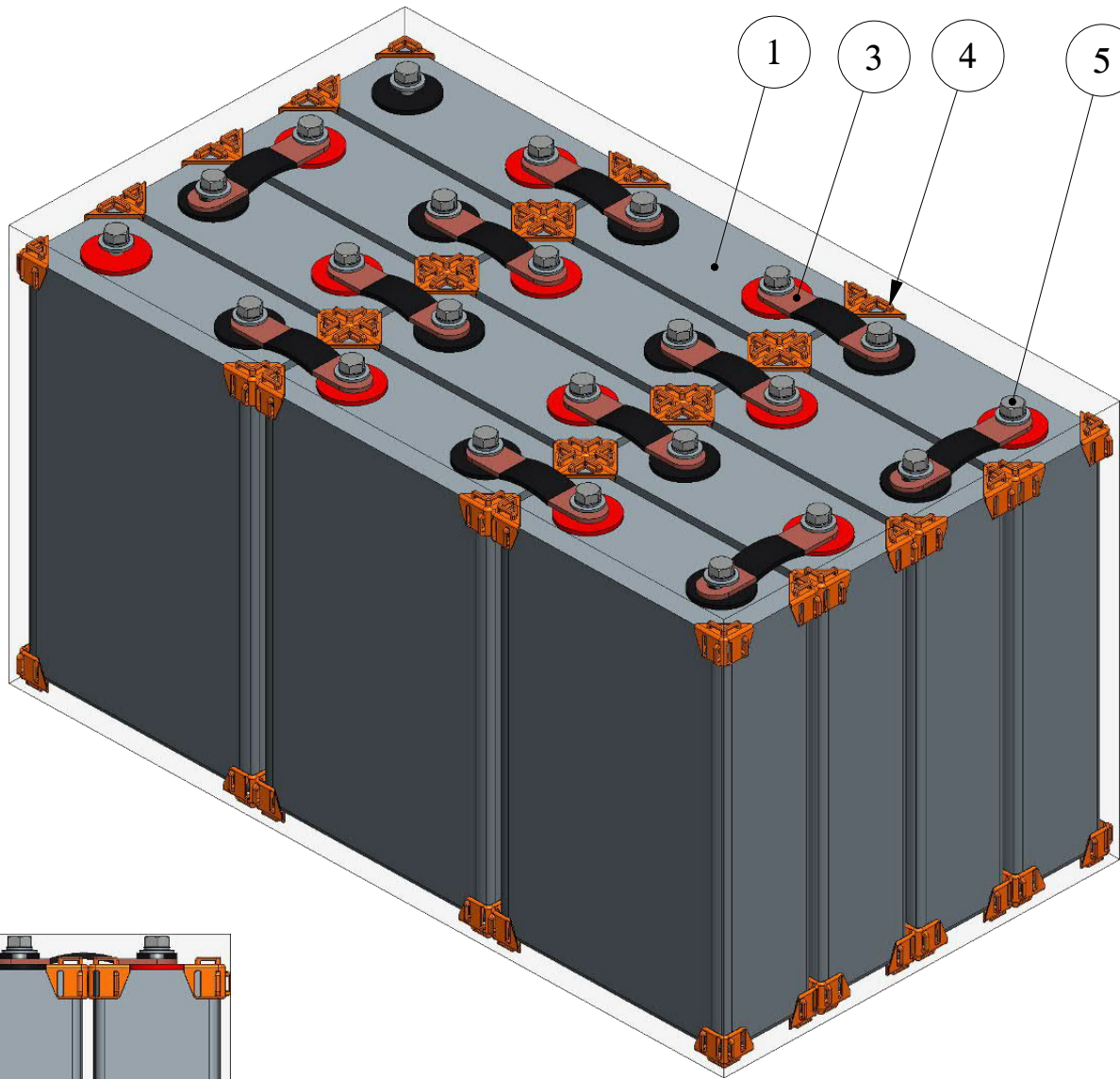
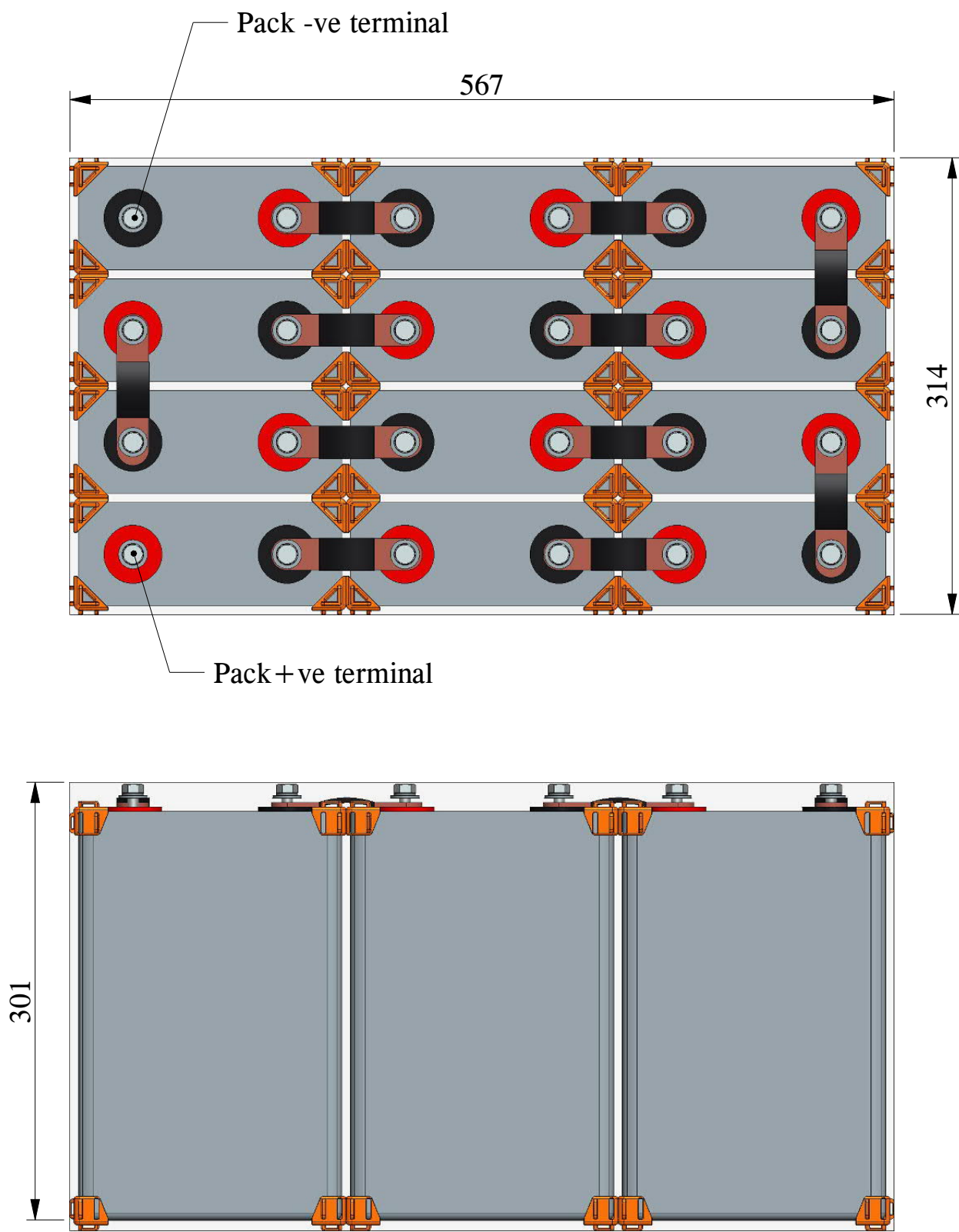
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
4	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
5	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	12
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7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



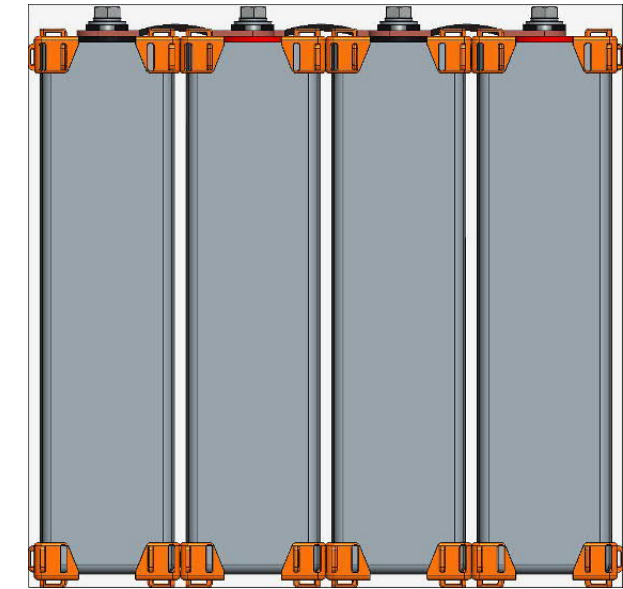
Pack Energy Storage Capacity	6.9 kWh
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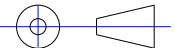
 GreenStorm Solutions www.greenstorm.com.au	Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5 	LiFePO4 Battery Pack						Description			
	ACN 126 091 727		The Battery Volt								Project	
			BV-CALB180-1P12S-6X2-36V-AS						Drawing Number		Mass kg	
			Refer to BOM						Material		Process	
SeaStorm Marine Pty Ltd www.seastorm.com.au	Prepared For		Initial Release						Current Revision Description			
			Designed DH 01Oct20		Drawn DH 01Oct20		Checked DH 08Oct20		Approved DH 08Oct20		Revision A 08Oct20	

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
1	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	12
2	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
3	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
4	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24

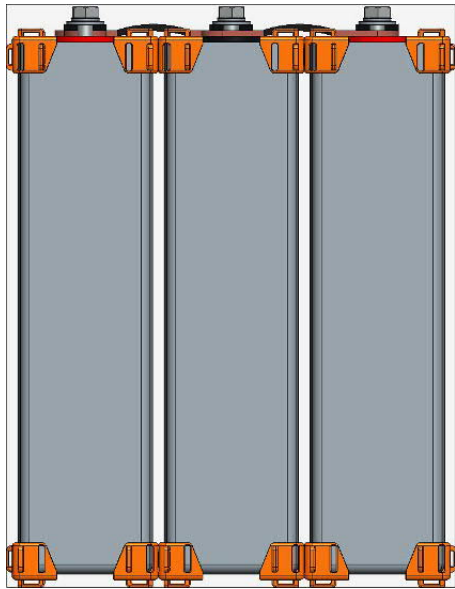
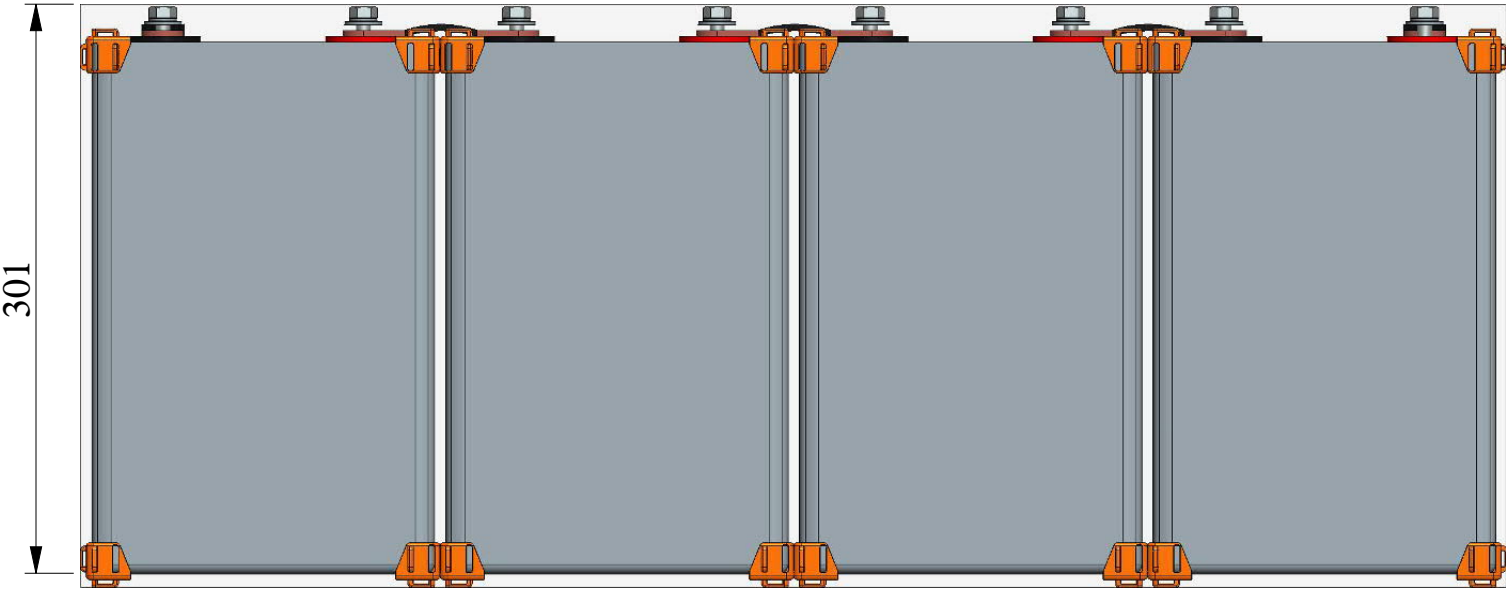
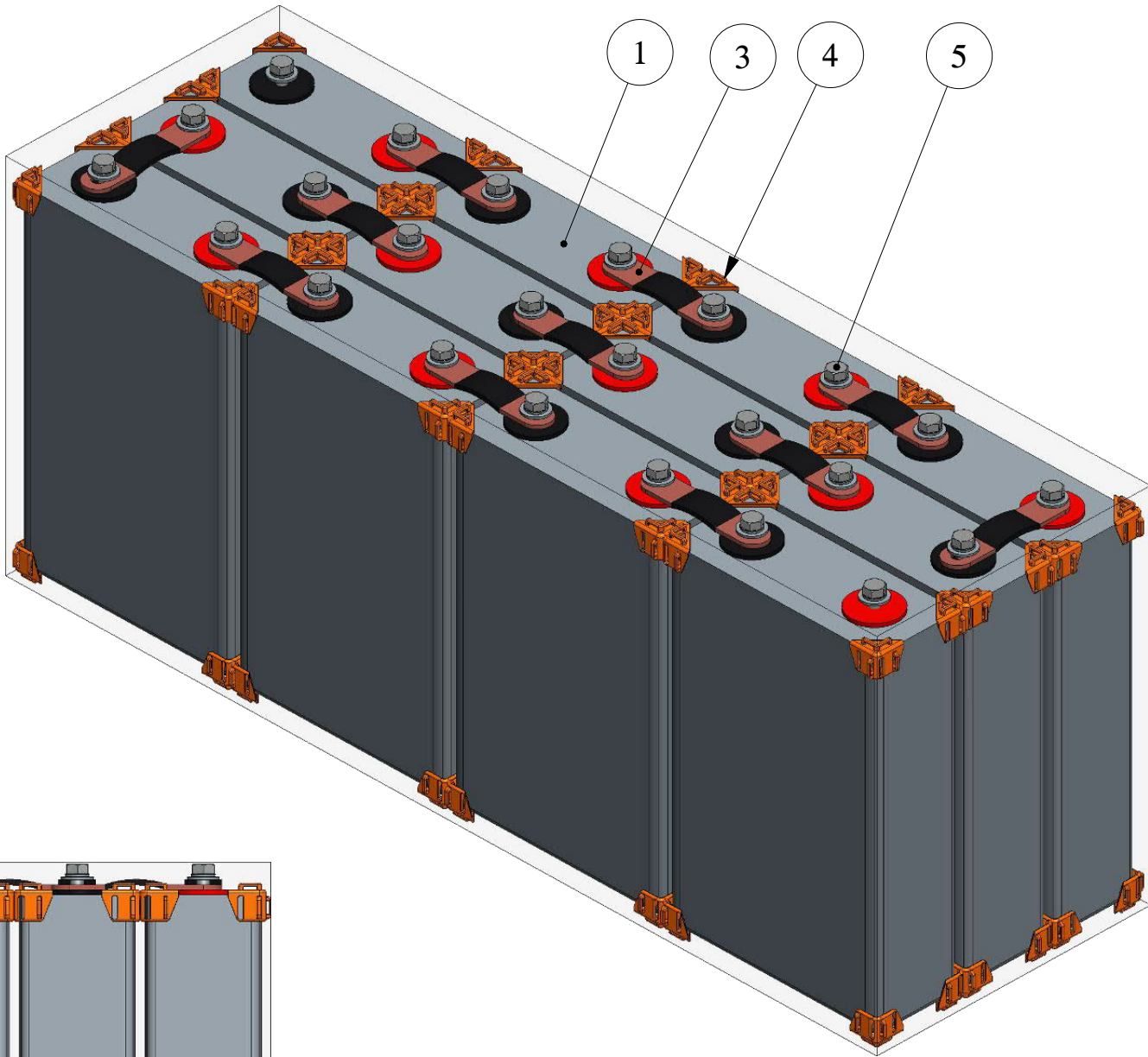
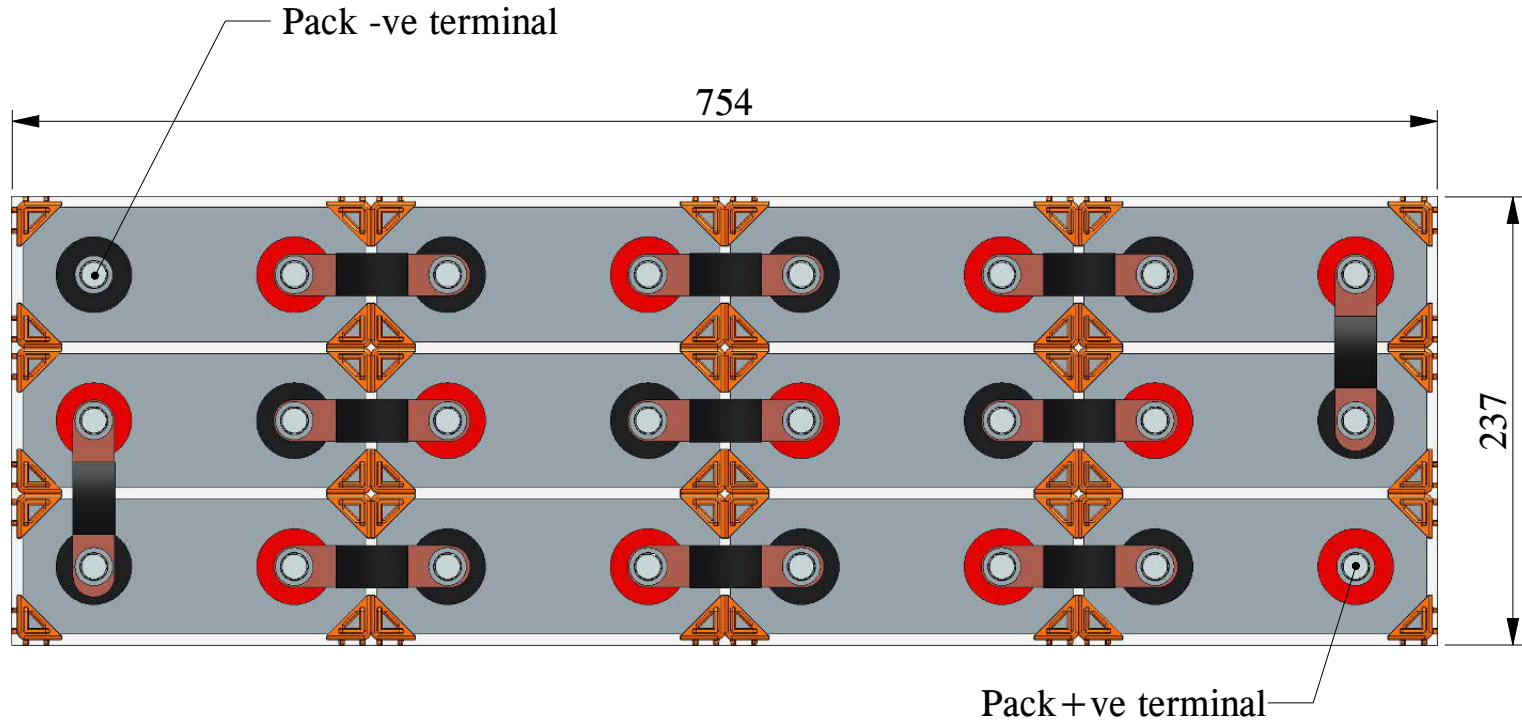


Pack Energy Storage Capacity	6.9 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	180 Ah
Cell Voltage	3.2 V
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Parallel Cells	1
Series Cells	12



 GreenStorm Solutions www.greenstorm.com.au		Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5		LiFePO4 Battery Pack						Description			
		ACN 126 091 727			The Battery Volt						Project			
SeaStorm Marine Pty Ltd www.seastorm.com.au		Prepared For		BV-CALB180-1P12S-3X4-36V-AS						Drawing Number	41.42	Mass kg		
				Refer to BOM			Material		Assemble		Process		Finish	
				Initial Release						Current Revision Description				
				Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 10 OF 20					

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
1	SS-BV-CA180-PI	A	CALB 180 Ah LiFePO4 Cell	Lithium Iron Phosphate	5.0	12
2	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
3	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
4	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24



Pack Energy Storage Capacity	6.9 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	180 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	1
Series Cells	12

LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB180-1P12S-4X3-36V-AS		Drawing Number	41.42
Refer to BOM		Material	Assemble
Initial Release		Current Revision Description	
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20
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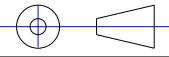
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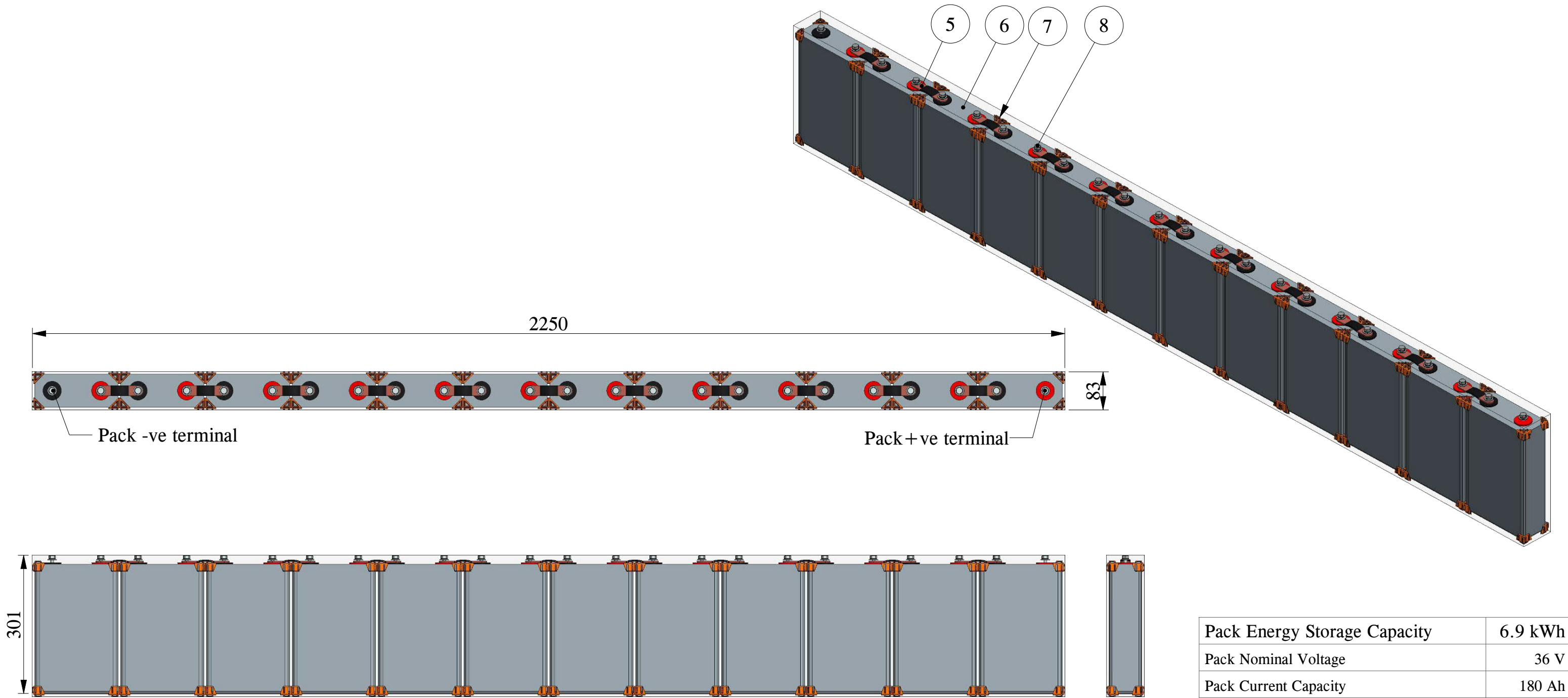
ACN 126 091 727

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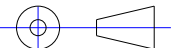
UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



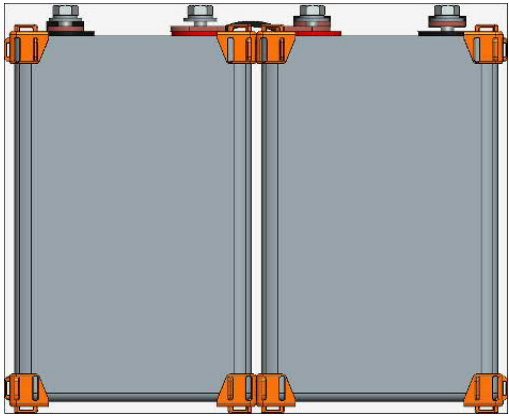
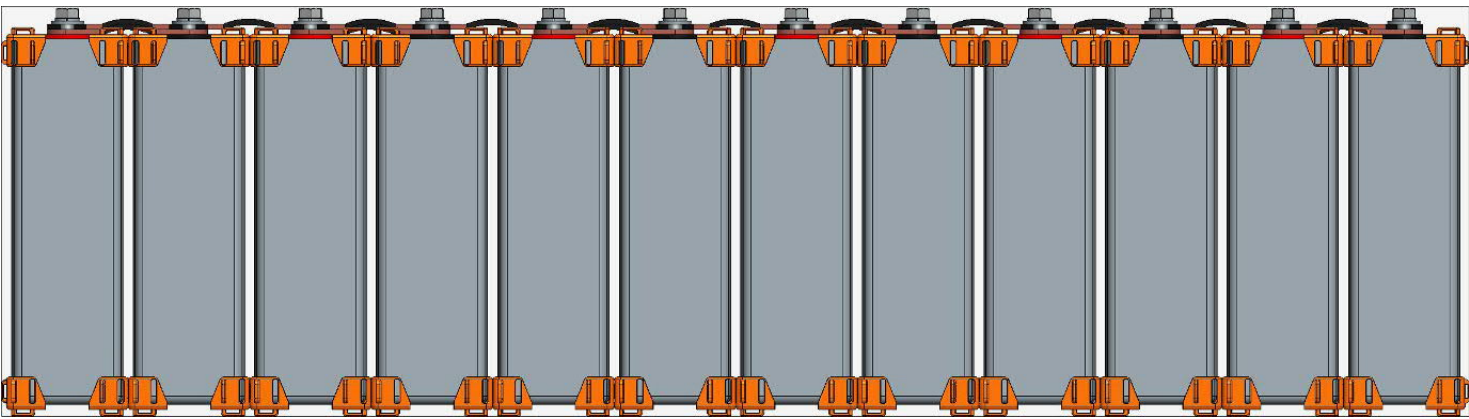
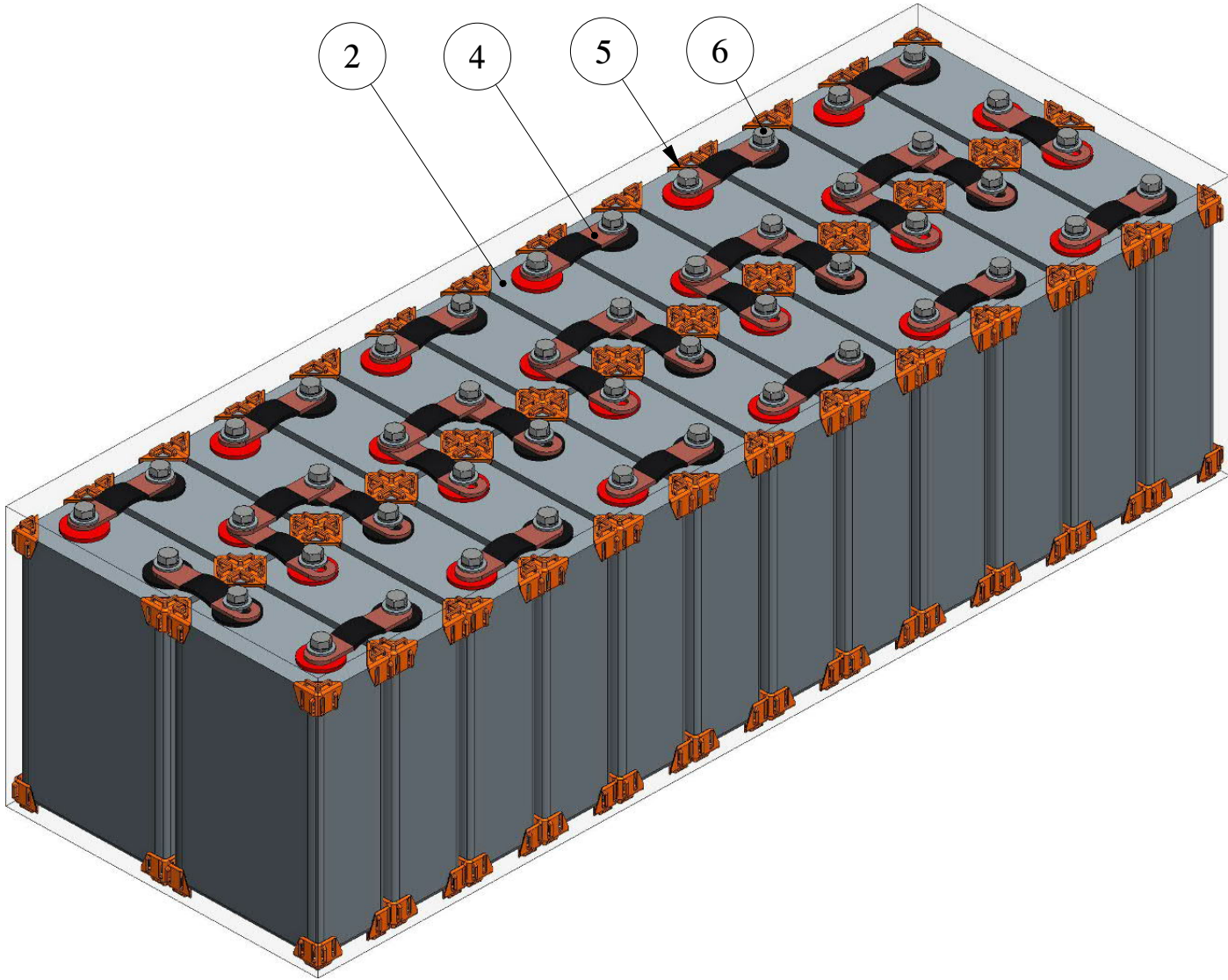
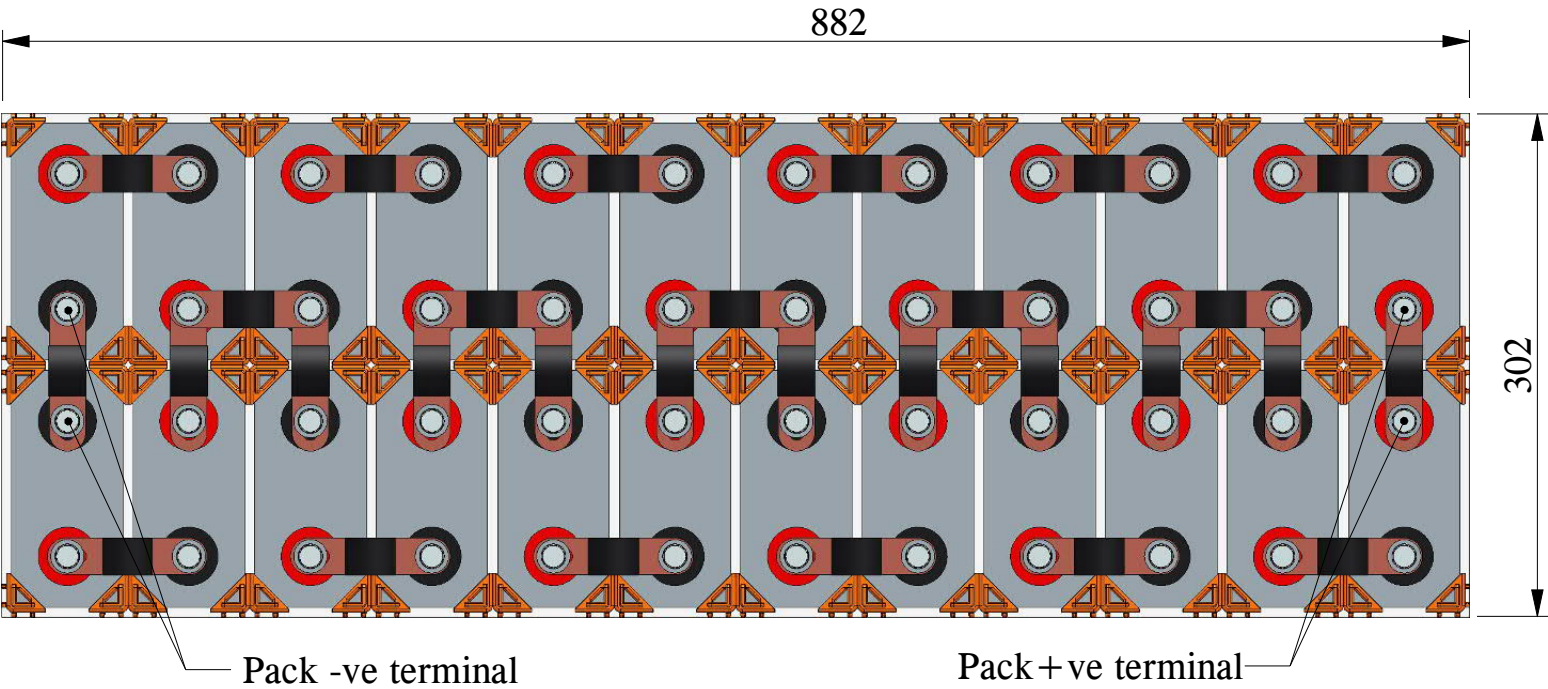
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
5	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	11
6	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	12
7	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	96
8	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	24




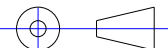
Pack Energy Storage Capacity	6.9 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	180 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	1
Series Cells	12

 GreenStorm Solutions www.greenstorm.com.au		Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5		LiFePO4 Battery Pack						Description		
		ACN 126 091 727			Project								
SeaStorm Marine Pty Ltd www.seastorm.com.au		Prepared For		The Battery Volt				Mass kg					
				BV-CALB180-1P12SL-36V-AS				Drawing Number		41.42			
				Refer to BOM		Material		Assemble		Process		Finish	
				Initial Release				Current Revision Description					
				Designed DH 01Oct20		Drawn DH 01Oct20		Checked DH 08Oct20		Approved DH 08Oct20		Revision A 08Oct20	

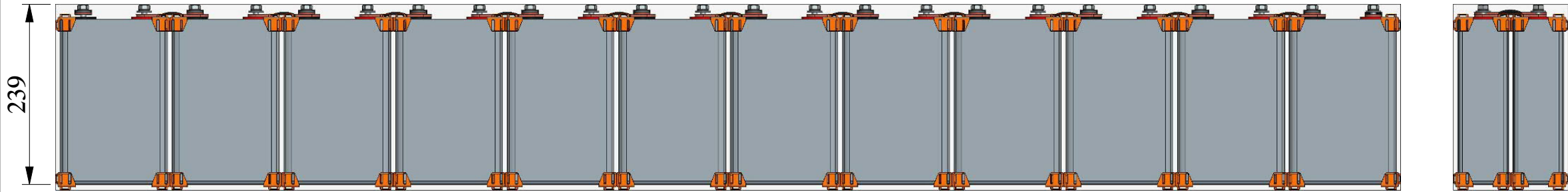
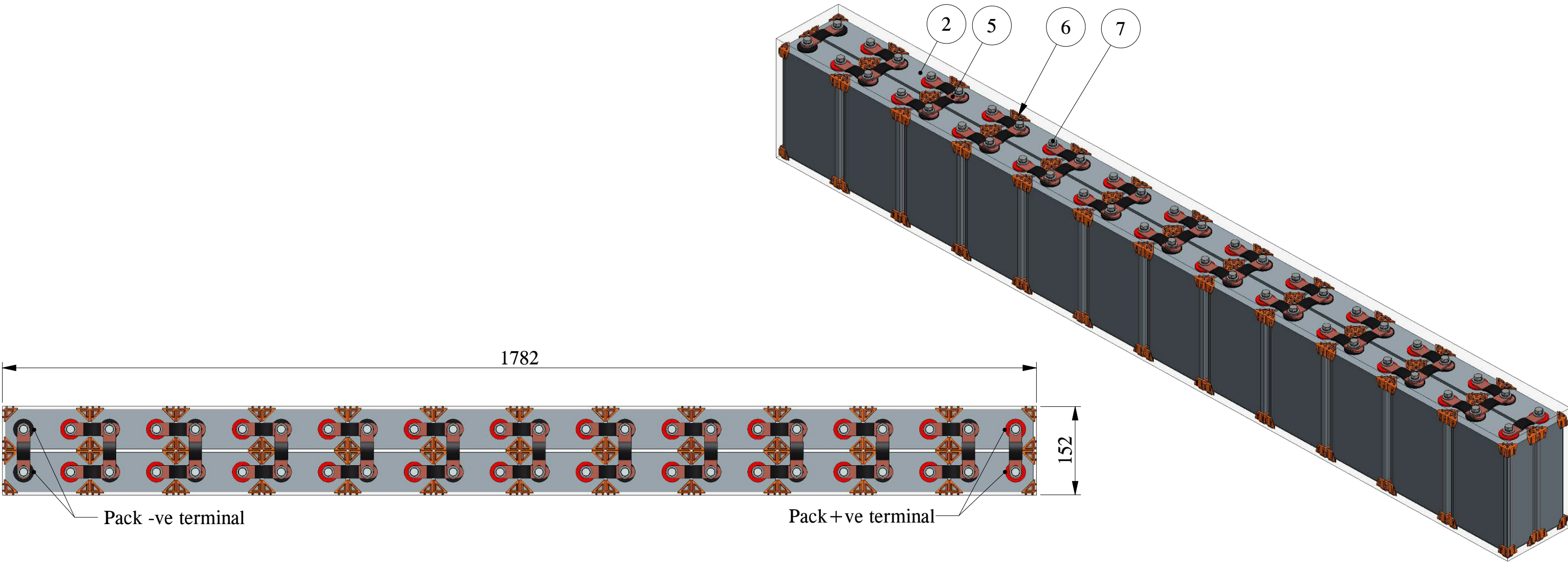
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	24
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	29
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	192
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	48




Pack Energy Storage Capacity	7.7 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	200 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	2
Series Cells	12

 GreenStorm Solutions www.greenstorm.com.au	Prepared By	UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE ∅ +0.15 ANGLES ± 0.5 	LiFePO4 Battery Pack						Description	
	ACN 126 091 727		The Battery Volt							Project
			BV-CALB100-2P12S-36V-AS					Drawing Number	41.42	Mass kg
			Refer to BOM		Material	Assemble		Process	Finish	
			Initial Release							Current Revision Description
SeaStorm Marine Pty Ltd www.seastorm.com.au	Prepared For		Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 13 OF 20		

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFEPO4 Cell	Lithium Iron Phosphate	2.9	24
5	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	35
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	192
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	48



Pack Energy Storage Capacity	7.7 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	200 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	2
Series Cells	12



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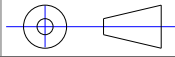
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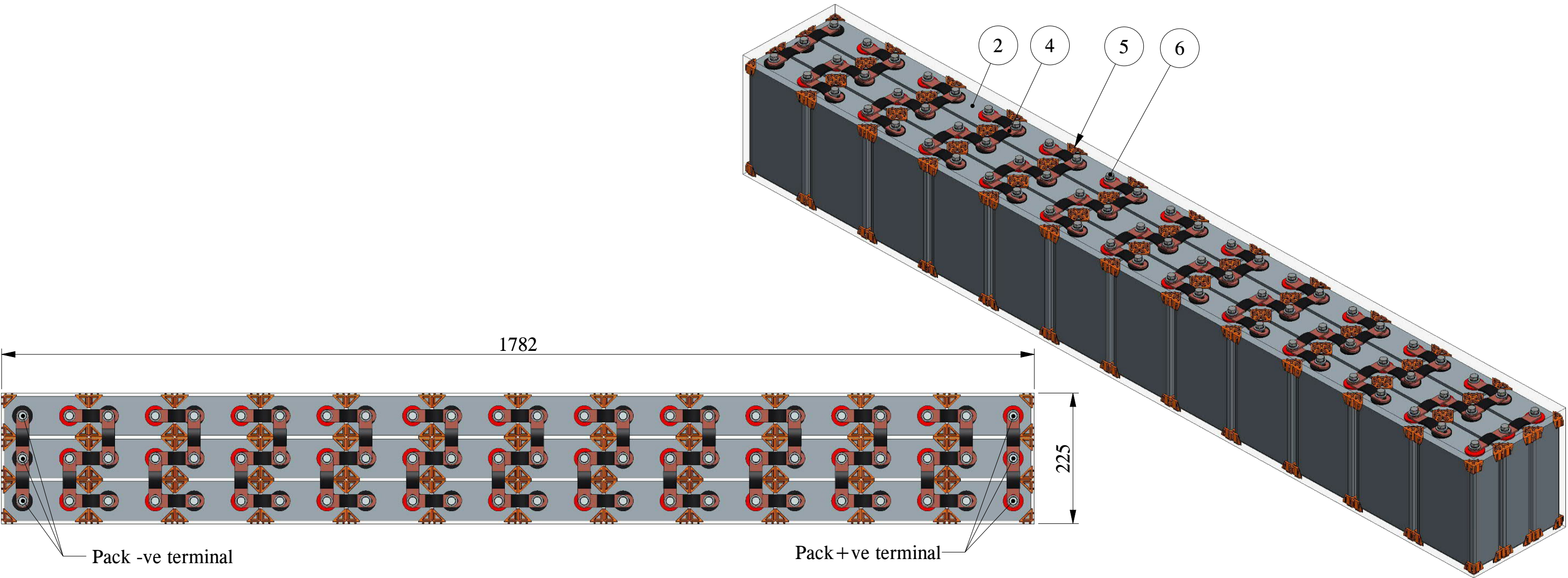
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DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



LiFePO4 Battery Pack					Description	
The Battery Volt					Project	
BV-CALB100-2P12SL-36V-AS				Drawing Number	41.42	Mass kg
Refer to BOM			Material	Assemble	Process	Finish
Initial Release						
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 14 OF 20	

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFEPO4 Cell	Lithium Iron Phosphate	2.9	36
4	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	59
5	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	288
6	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	72



Pack Energy Storage Capacity	11.5 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	300 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	3
Series Cells	12

LiFePO4 Battery Pack					Description
The Battery Volt					Project
BV-CALB100-3P12SL-36V-AS			Drawing Number	41.42	Mass kg
Refer to BOM		Material	Assemble	Process	Finish
Initial Release					Current Revision Description
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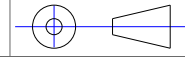
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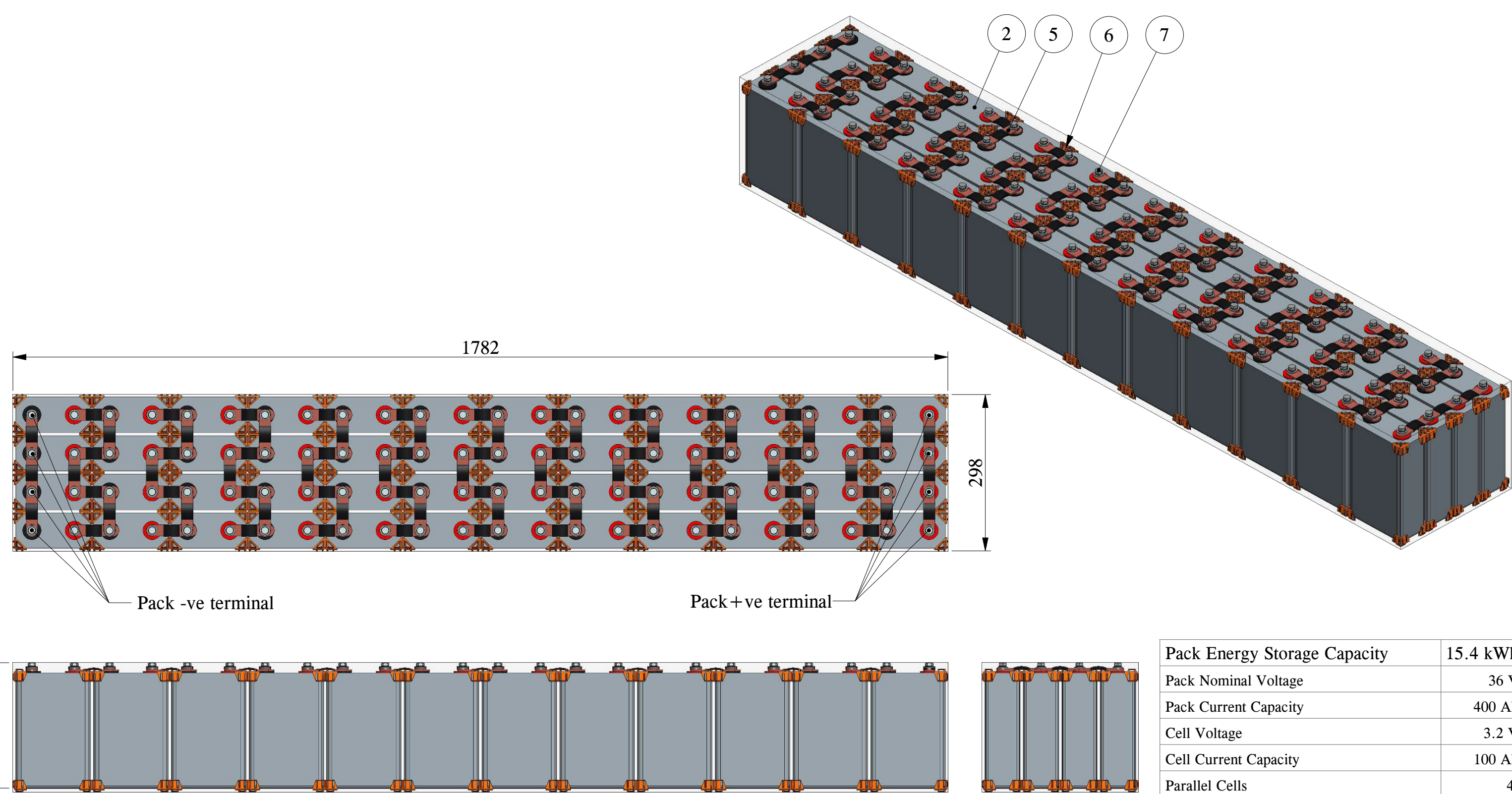
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UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



Item	Part Number	REV	Description	Material	Mass Each kg	Qty
2	SS-BV-CA100-PI	A	CALB 100 Ah LiFePO4 Cell	Lithium Iron Phosphate	2.9	48
5	SS-BV-BB-CA100-PI	A	Busbar	Copper	0.0	83
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	384
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	96



Pack Energy Storage Capacity	15.4 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	400 Ah
Cell Voltage	3.2 V
Cell Current Capacity	100 Ah
Parallel Cells	4
Series Cells	12

LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB100-4P12SL-36V-AS		Drawing Number	41.42
Refer to BOM		Material	Assemble
Initial Release		Current Revision Description	
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20
Revision A 08Oct20		Sheet No 16 OF 20	



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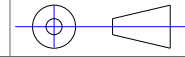
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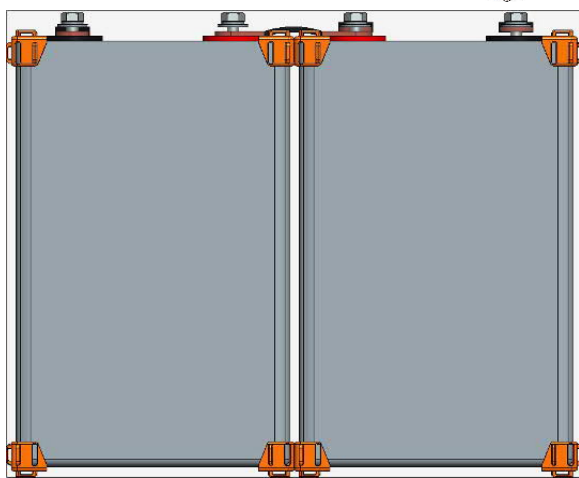
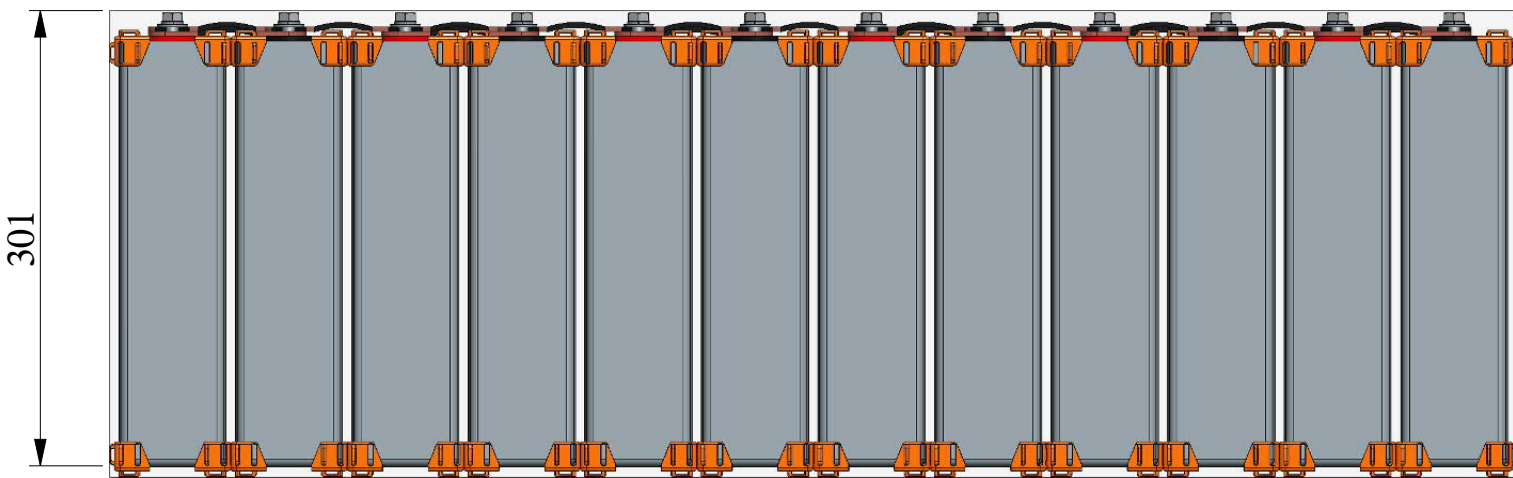
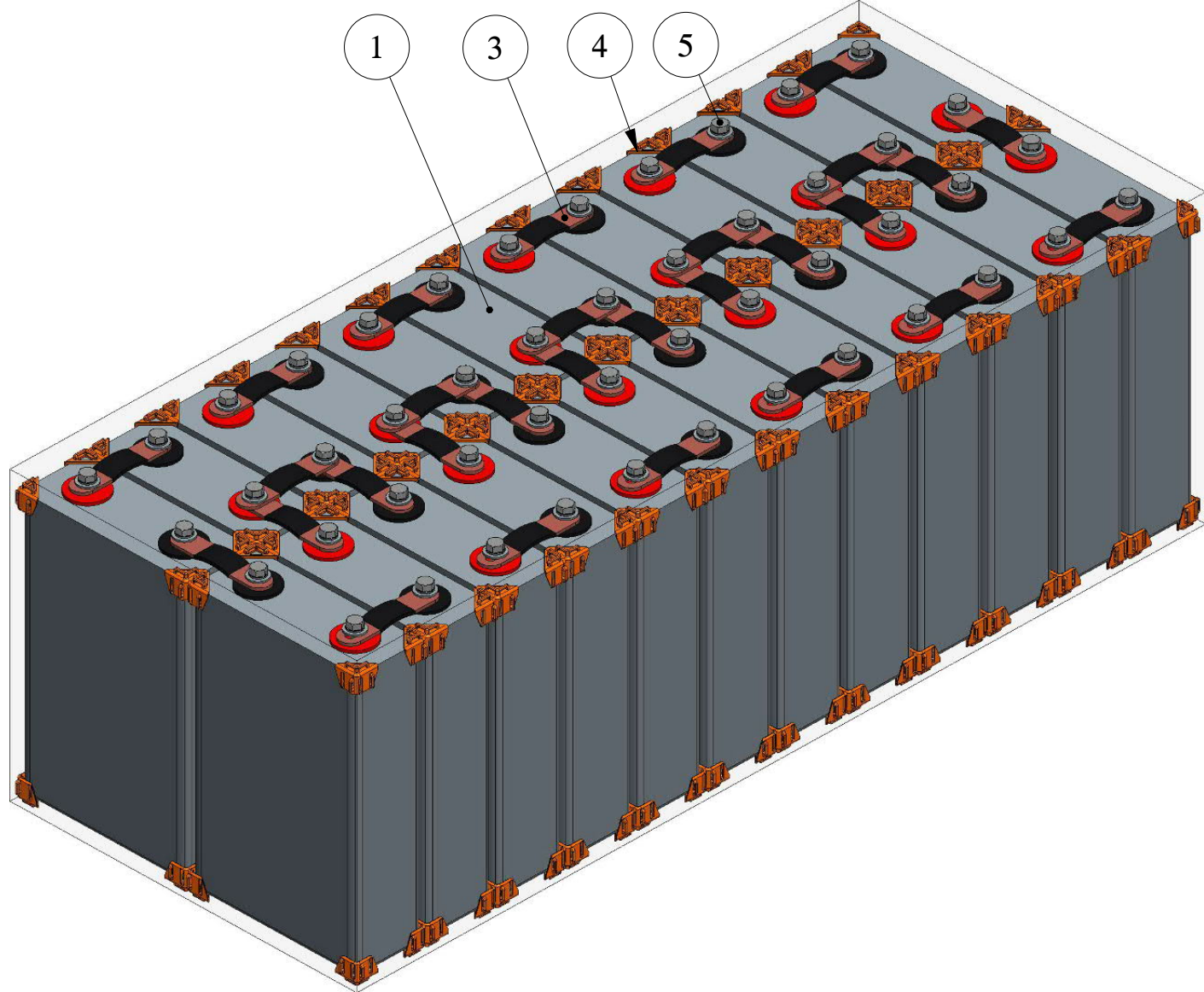
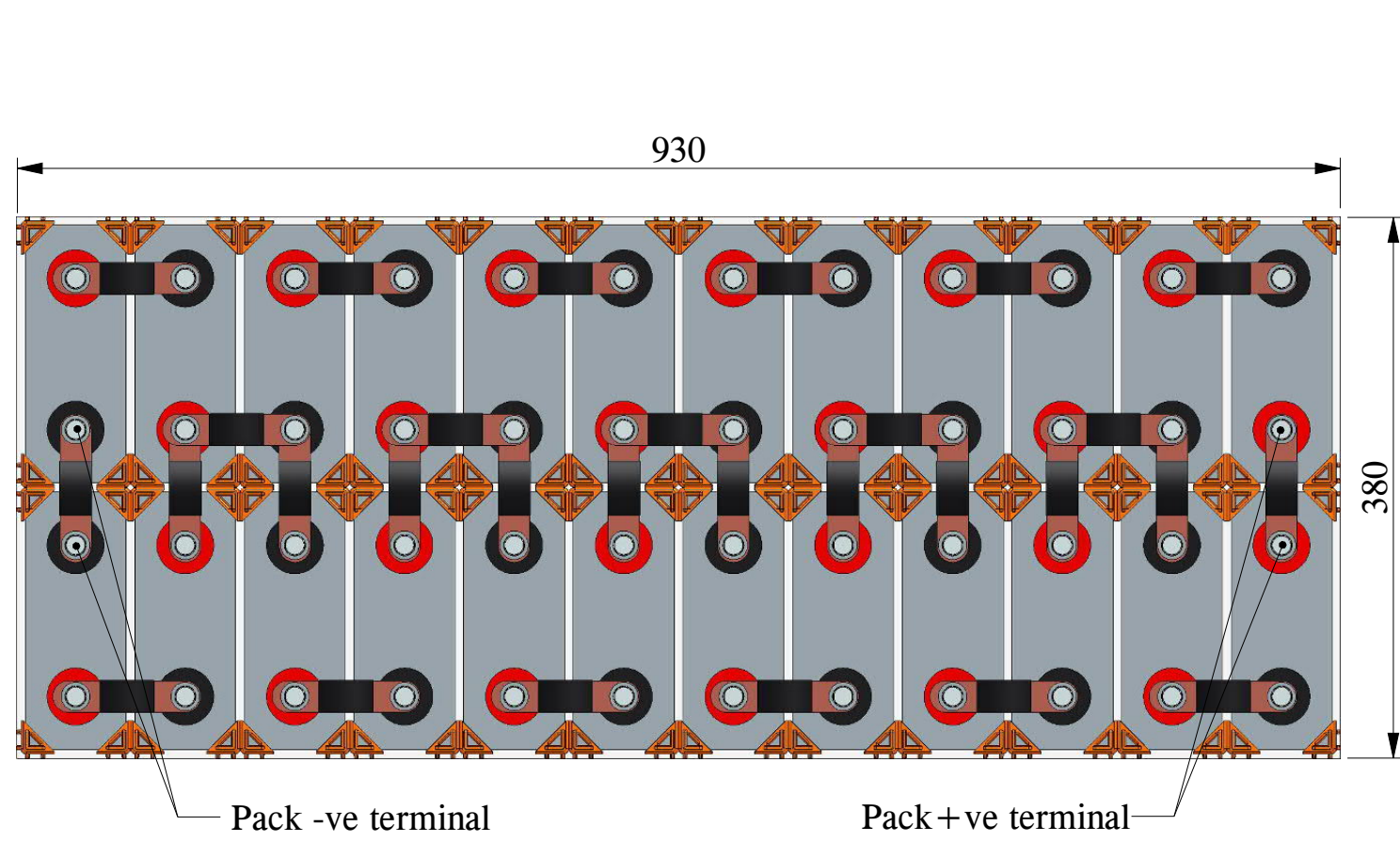
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UNLESS OTHERWISE STATED
DIMS ARE IN MM
TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



Item	Part Number	REV	Description	Material	Mass Each kg	Qty
1	SS-BV-CA180-PI	A	CALB 180 Ah LiFePO4 Cell	Lithium Iron Phosphate	5.0	24
3	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	29
4	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	192
5	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	48



Pack Energy Storage Capacity	13.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	360 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	2
Series Cells	12



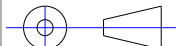
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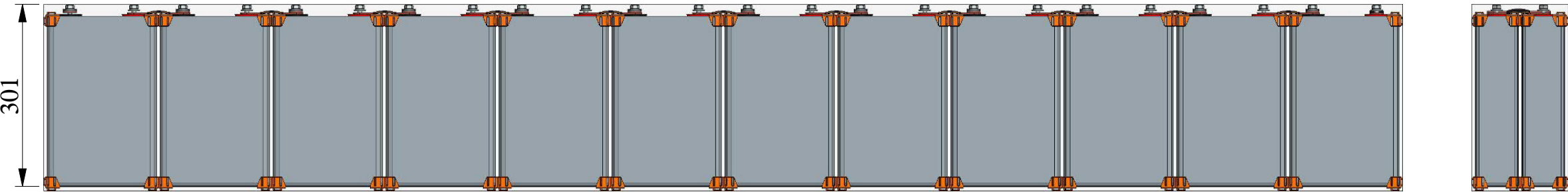
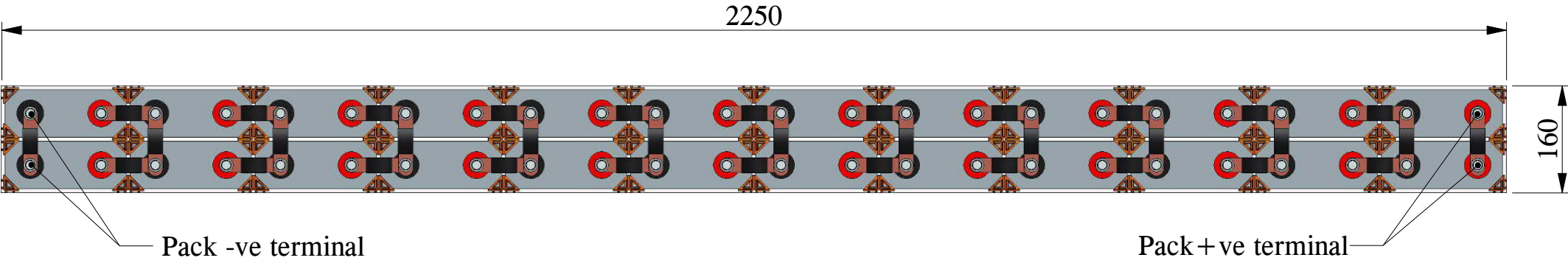
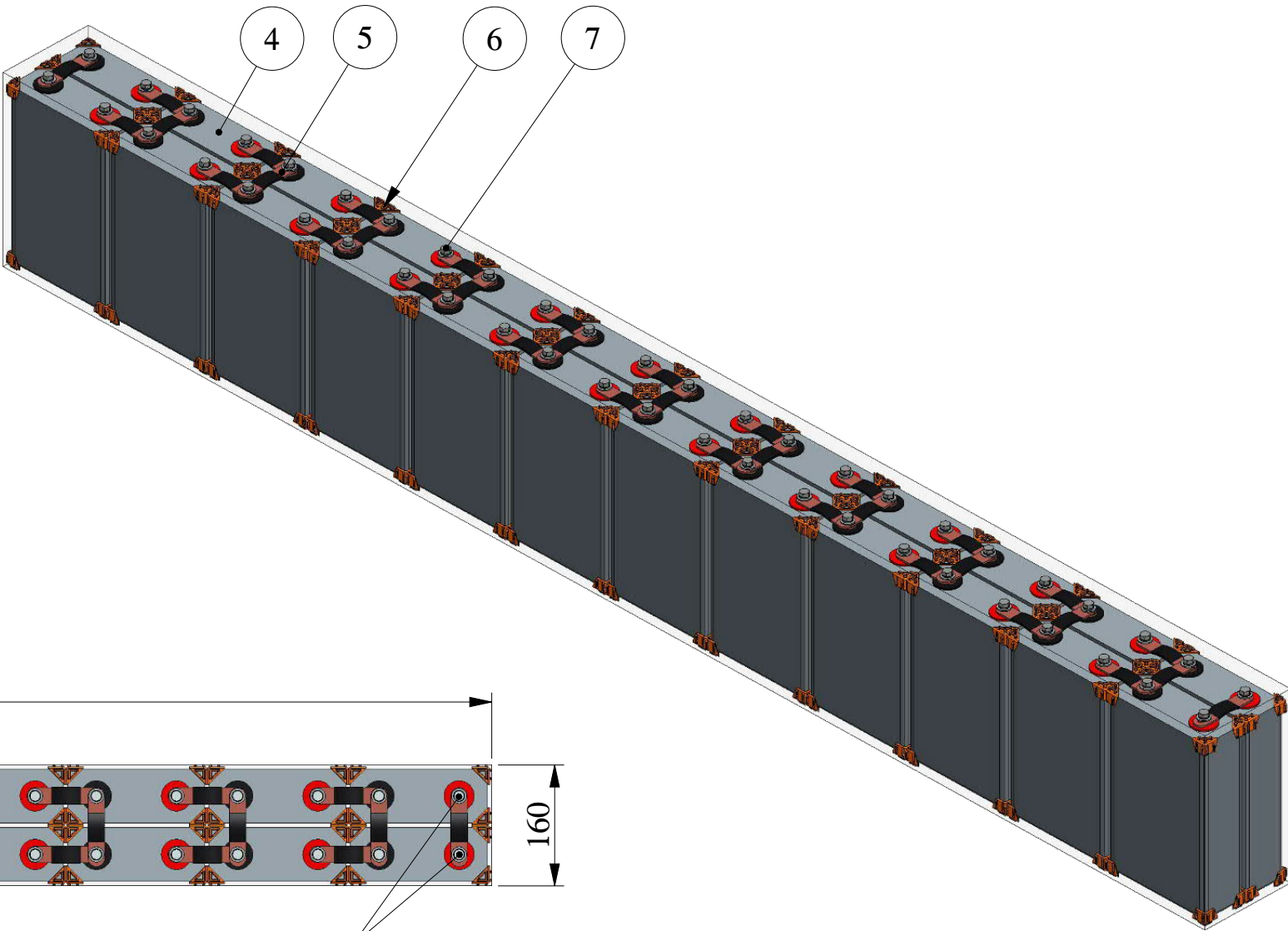
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TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5




LiFePO4 Battery Pack		Description	
The Battery Volt		Project	
BV-CALB180-2P12S-36V-AS		Drawing Number	41.42
Refer to BOM	Material	Assemble	Process
Initial Release			
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20
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Item	Part Number	REV	Description	Material	Mass Each kg	Qty
4	SS-BV-CA180-PI	A	CALB 180 Ah LiFEPO4 Cell	Lithium Iron Phosphate	5.0	24
5	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	35
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	192
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	48



Pack Energy Storage Capacity	13.8 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	360 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	2
Series Cells	12



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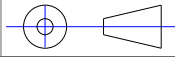
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TOLERANCES
x.xx ± 0.01
x.x ± 0.1
x ± 0.5
HOLE Ø +0.15
ANGLES ± 0.5



LiFePO4 Battery Pack

The Battery Volt

BV-CALB180-2P12SL-36V-AS

Refer to BOM

Initial Release

Project

Drawing Number

Material

Assemble

Current Revision

Mass kg

41.42

Process

Finish

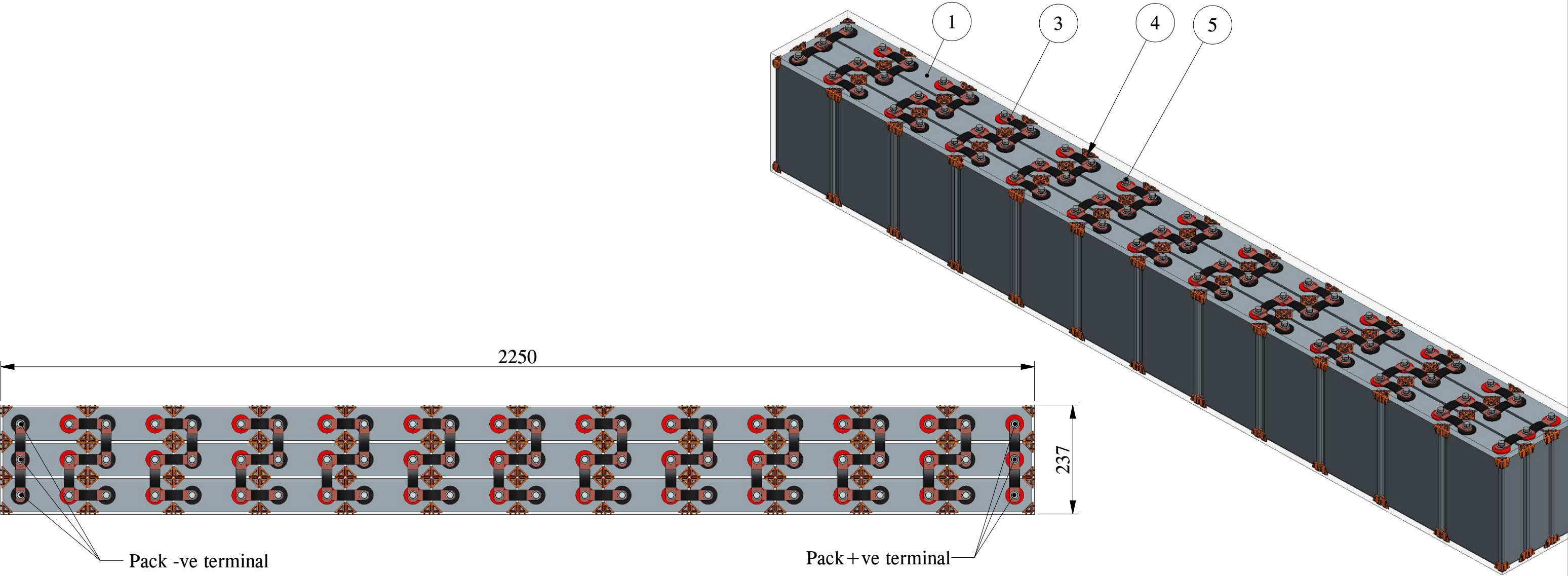
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Sheet No


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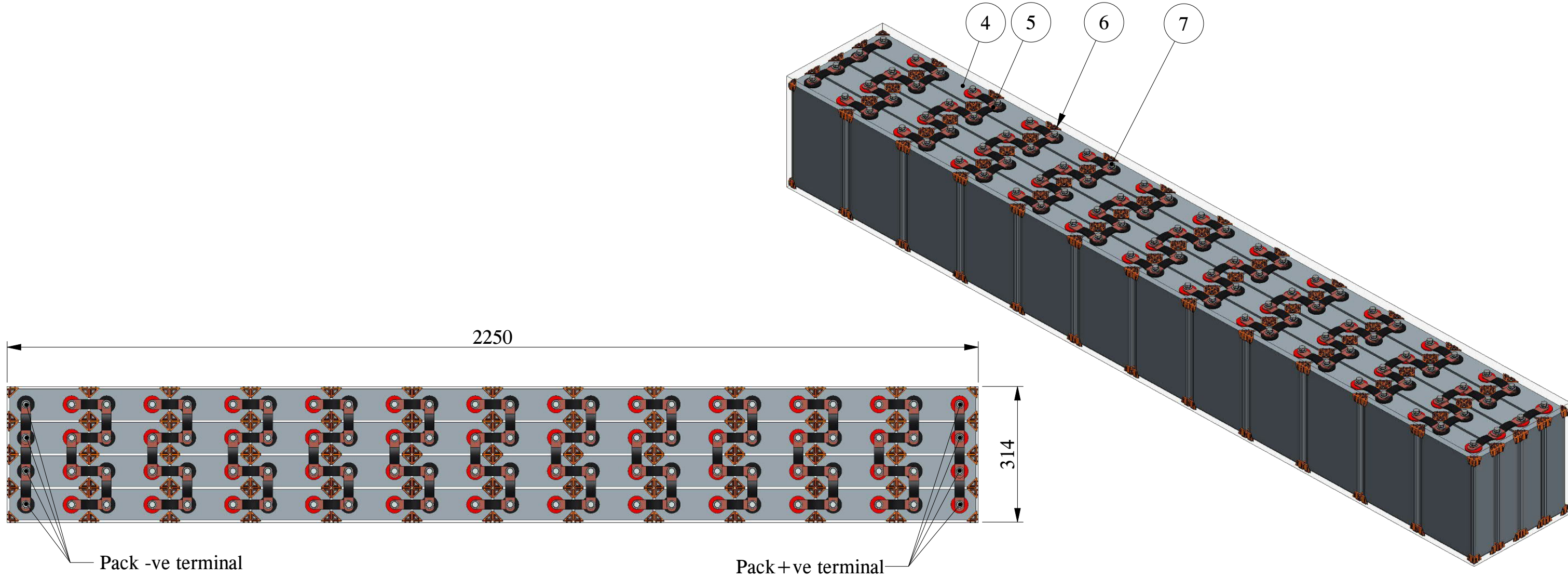
Item	Part Number	REV	Description	Material	Mass Each kg	Qty
1	SS-BV-CA180-PI	A	CALB 180 Ah LiFePO4 Cell	Lithium Iron Phosphate	5.0	36
3	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	59
4	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	288
5	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	72



Pack Energy Storage Capacity	20.7 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	540 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	3
Series Cells	12

Prepared By		UNLESS OTHERWISE STATED DIMS ARE IN MM TOLERANCES x.xx ± 0.01 x.x ± 0.1 x ± 0.5 HOLE Ø +0.15 ANGLES ± 0.5		Description	
 GreenStorm Solutions www.greenstorm.com.au		ACN 126 091 727		Project	
SeaStorm Marine Pty Ltd www.seastorm.com.au		Prepared For		Mass kg	
				Finish	
				Current Revision Description	
				Sheet No	
				19 OF 20	

Item	Part Number	REV	Description	Material	Mass Each kg	Qty
4	SS-BV-CA180-PI	A	CALB 180 Ah LiFePO4 Cell	Lithium Iron Phosphate	5.0	48
5	SS-BV-BB-CA180-PI	A	Busbar	Copper	0.1	83
6	SS-BV-LIGO-01MO	A	Ligo Air Space Connectors	3D Printed PLA	0.0	384
7	BV-LFP-M8-AS	A	Screw, Washer, Spring Washer	Stainless Steel	0.0	96



Pack Energy Storage Capacity	27.6 kWh
Pack Nominal Voltage	36 V
Pack Current Capacity	720 Ah
Cell Voltage	3.2 V
Cell Current Capacity	180 Ah
Parallel Cells	4
Series Cells	12

LiFePO4 Battery Pack						Description
The Battery Volt						Project
BV-CALB180-4P12SL-36V-AS				Drawing Number	41.42	Mass kg
Refer to BOM		Material	Assemble	Process	Finish	
Initial Release						Current Revision Description
Designed DH 01Oct20	Drawn DH 01Oct20	Checked DH 08Oct20	Approved DH 08Oct20	Revision A 08Oct20	Sheet No 20 OF 20	



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TOLERANCES
x.xx ± 0.01
x.x ± 0.1
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HOLE Ø +0.15
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