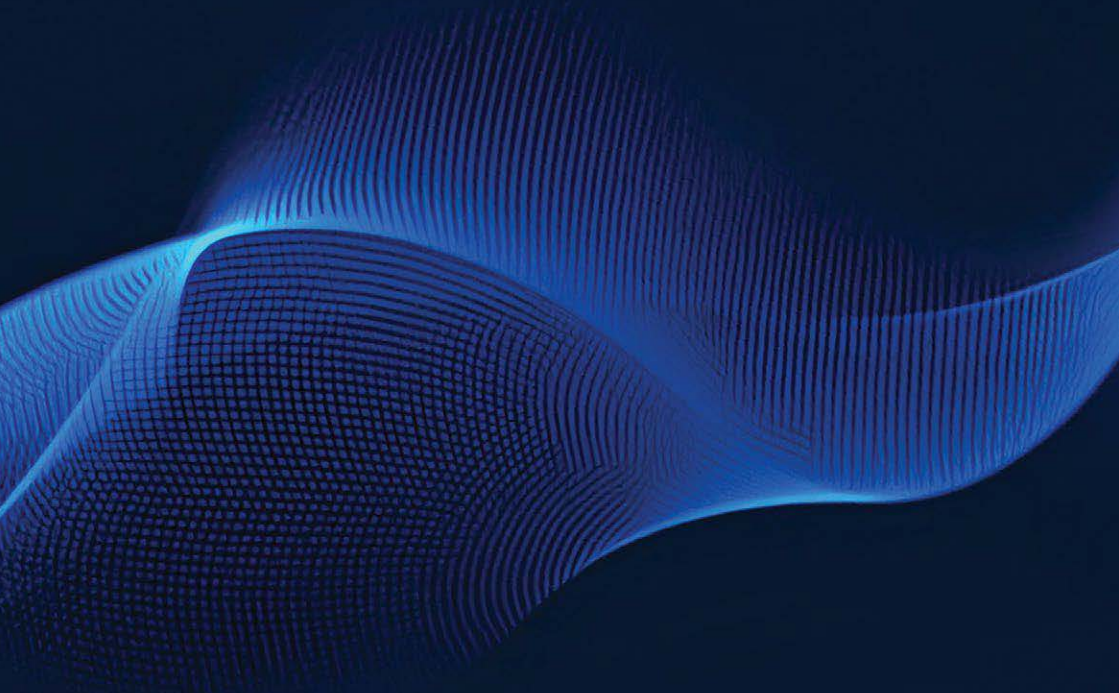
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Maximus / Dominus Ultralight Series

Technical Data Sheet



2026 Q3 Edition | EN | 22 Oct 2026

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Product specifications, performance data, development roadmaps, and availability are subject to change without prior notice. Certain products may be under development or in prototype status and may not yet be commercially available.

Unless otherwise stated, performance data represents typical values obtained under BEI's internal test conditions. Actual performance may vary depending on operating conditions, system integration, application environment, and customer-specific requirements. Customers are responsible for evaluating and validating the suitability of BEI products for their intended applications.

For the latest product and technical information, please contact BEI directly.

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Beyond Energy Innovation

BEI

Drone Use Categories Powered by BEI



Mapping Drone



FPV Racing Drone



Swarm Drone



Educational Drone



Delivery Drone

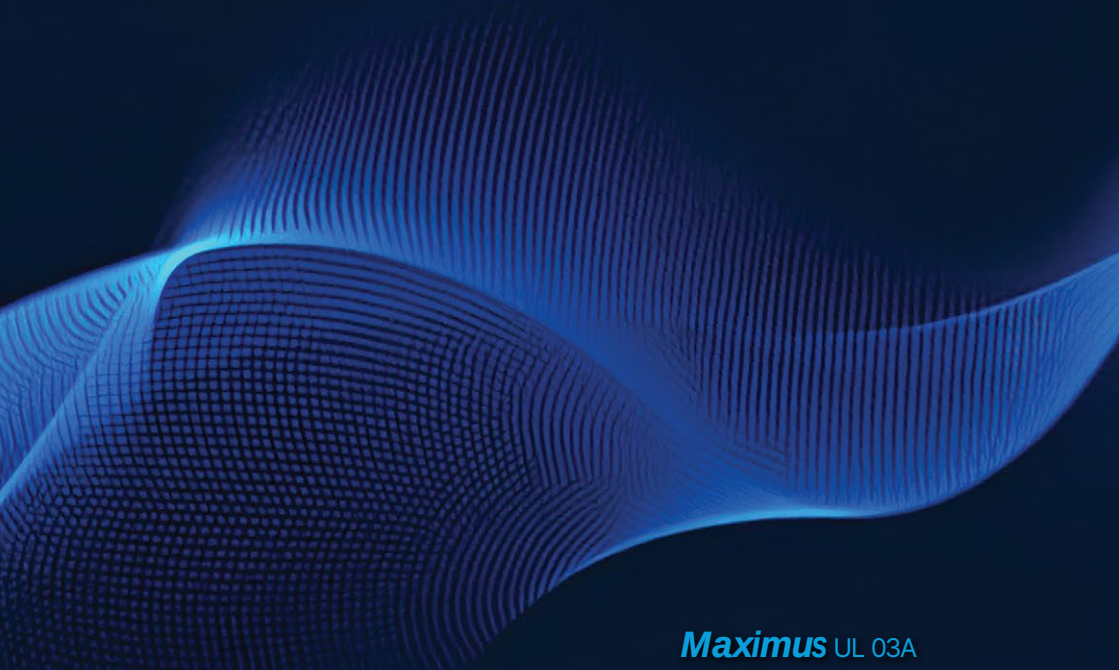


Surveillance Drone

BEI

Maximus Ultralight Series

Technical Data Sheet



Maximus UL 03A
Maximus UL 03S
Maximus SF 03A
Maximus UL 16A
Maximus UL 17B
Maximus UL 17S
Maximus UL 20A

Coming Soon

Upcoming Product Lineup

Next-generation cells — scheduled for release Q2 2026 through Q1 2027

PRODUCT RELEASE ROADMAP (CELL)

Q2 2026



MUL03A

417 Wh/kg
Ultralight



MUL17A

434 Wh/kg
Ultralight

Q3 2026



MUL17B

442 Wh/kg
Ultralight



MUL20A

519 Wh/kg
Ultralight Energy

Q4 2026



MUL03S

400 Wh/kg
200-cycle
Durability



MUL16A (Prototype)

513 Wh/kg
Ultralight Energy



MSF03A (Prototype)

426 Wh/kg
Safety platform
No thermal runaway

Q1 2027



MUL17S (Prototype)

407 Wh/kg
200-cycle
Durability

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Maximus UL 03A





Item	Standard	Result
Size	Typical, (L) X (W) X (T)	70.5 x 40.5 x 5.65 ㎜
Weight		≤30 g
Temperature Range [1]	Charge	+10 to +45 ℃
	Discharge	-35 to +71 ℃
	Storage	0 to +45 ℃

Item	Standard	Result
Capacity	Typical / Min	3.1 Ah / 3.0 Ah (0.1C)
	Rated	2.8 Ah (1C)
Energy	Typical / Min	12.1 Wh / 11.6 Wh (0.1C)
	Rated	10.8 Wh (1C)
Energy Density	Gravimetric	417 Wh/kg (0.1C)
	Volumetric	750 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.86 V / 4.30 V / 3.00 V
Charge Current	Standard	0.6 A (0.2C)
	Maximum	12 A (4C)
Discharge Current	Standard	3 A (1C)
	Max Continuous (100 to 0% SOC)	60 A (20C)
		36 A (12C @ -20 ℃)
		24 A (8C @ -30 ℃)
	Max Pulse (≤10 sec @ 100% SOC)	96 A (32C)
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤7.3 mΩ
	DCIR (≤5 sec, 1C @ 30% SOC)	≤13.5 mΩ
Cycle Life [2]	+0.2C / -1C, 100% DOD to 80% SOH	100 cycles
	+0.2C / -1C, 70% DOD to 80% SOH	180 cycles
	+1C / -2C, 100% DOD to 80% SOH	50 cycles
	+1C / -2C, 70% DOD to 80% SOH	90 cycles
Self Discharge [3]	Capacity loss (@ 25 ℃, 30% SOC)	≤2%/year (estimated)
Certifications	UN 38.3	

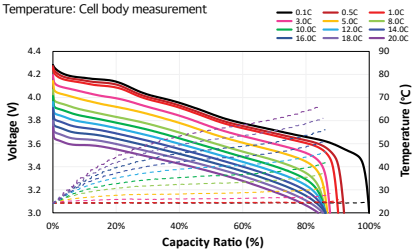
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Typical values
[3] Recovery capacity loss, based on initial capacity

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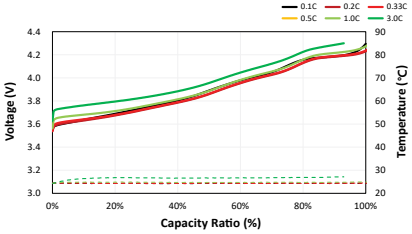
Discharge Performance at 25 °C

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



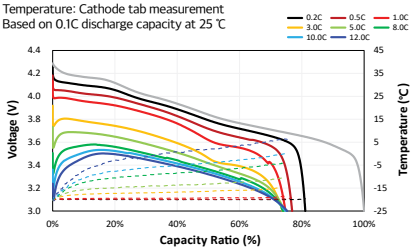
Charge Performance at 25 °C

Charge: CC mode, Various Current, 4.3 V cut-off at 25 ℃
Discharge: CC mode, 0.2C, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



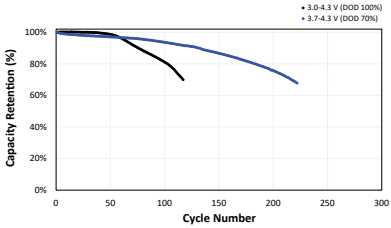
Discharge Performance at -20 °C

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at -20 ℃
Temperature: Cathode tab measurement
Based on 0.1C discharge capacity at 25 ℃



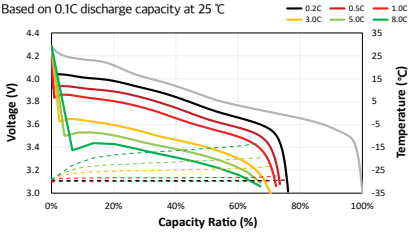
Cycle Life Performance

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 1.0C, 3.0/3.7 V cut-off at 25 ℃
Depth of Discharge: 100%, 70%



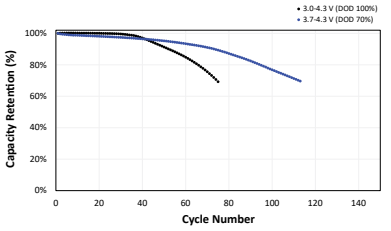
Discharge Performance at -30 °C

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at -30 ℃
Temperature: Cathode tab measurement
Based on 0.1C discharge capacity at 25 ℃



Cycle Life Performance

Charge: CC-CV mode, 1.0C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 2.0C, 3.0/3.7 V cut-off at 25 ℃
Depth of Discharge: 100%, 70%



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Maximus UL 17B





Item	Standard	Result
Size	Typical, (L) X (W) X (T)	143.0 x 85.5 x 5.5 ㎜
Weight		≤162 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +71 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	18.0 Ah / 17.0 Ah (0.1C)
	Rated	16.5 Ah (1C)
Energy	Typical / Min	69.4 Wh / 65.6 Wh (0.1C)
	Rated	63.4 Wh (1C)
Energy Density	Gravimetric	442 Wh/kg (0.1C)
	Volumetric	1,032 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.86 V / 4.30 V / 3.00 V
Charge Current	Standard	3.4 A (0.2C)
	Maximum	51 A (3C)
Discharge Current	Standard	17 A (1C)
	Max Continuous (100 to 0% SOC)	170 A (10C)
		170 A (10C @ -20 ℃)
		136 A (8C @ -30 ℃)
	Max Pulse (≤10 sec @ 100% SOC)	425 A (25C)
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤1.7 mΩ
	DCIR (≤5 sec, 1C @ 30% SOC)	≤2.5 mΩ
Cycle Life [2]	+0.2C / -1C, 100% DOD to 80% SOH	100 cycles
	+0.2C / -1C, 70% DOD to 80% SOH	200 cycles
	+1C / -2C, 100% DOD to 80% SOH	50 cycles
	+1C / -2C, 70% DOD to 80% SOH	110 cycles
Self Discharge [3]	Capacity loss (@ 25 ℃, 30% SOC)	≤2%/year (estimated)
Certifications	UN38.3, UL 1642, IEC62133-2	

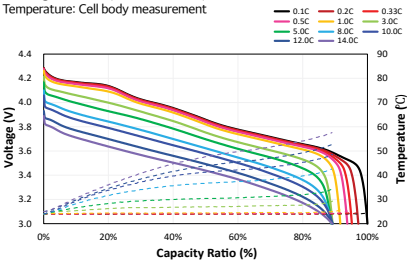
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Typical values
[3] Recovery capacity loss, based on initial capacity

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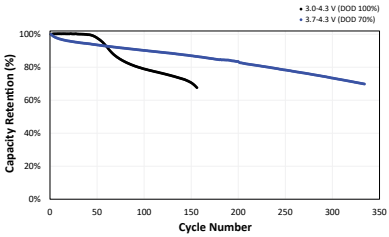
Discharge Performance at 25 °C

Charge: CC-CV mode, 0.5C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



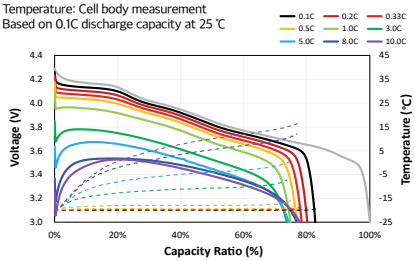
Cycle Life Performance

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 1.0C, 3.0/3.7 V cut-off at 25 ℃
Depth of Discharge: 100%, 70%



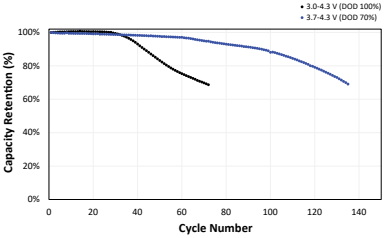
Discharge Performance at -20 °C

Charge: CC-CV mode, 0.1C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at -20 ℃
Temperature: Cell body measurement
Based on 0.1C discharge capacity at 25 ℃



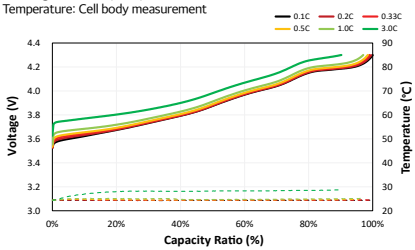
Cycle Life Performance

Charge: CC-CV mode, 1.0C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 2.0C, 3.0/3.7 V cut-off at 25 ℃
Depth of Discharge: 100%, 70%



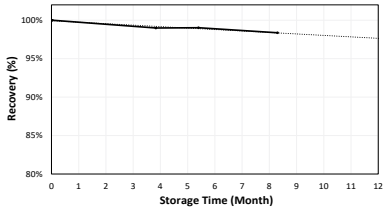
Charge Performance at 25 °C

Charge: CC mode, Various Current, 4.3 V cut-off at 25 ℃
Discharge: CC mode, 0.1C, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



Shelf Life Performance at 25 °C

Temperature Condition: 25 ℃
State of Charge: 30%



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Maximus UL 20A





Item	Standard	Result
Size	Typical, (L) X (W) X (T)	143.0 x 85.5 x 5.2 ㎜
Weight		≤162 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +71 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	21.1 Ah / 20.0 Ah (0.1C)
	Rated	19.6 Ah (1 C)
Energy	Typical / Min	81.5 Wh / 77.2 Wh (0.1C)
	Rated	75.2 Wh (1C)
Energy Density	Gravimetric	519 Wh/kg (0.1C)
	Volumetric	1,282 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.86 V / 4.30 V / 3.00 V
Charge Current	Standard / Maximum	4 A (0.2C) / 20 A (1C)
Discharge Current	Standard	20 A (1C)
	Max Continuous (100 to 0% SOC)	100 A (5C)
		160 A (8C @ -20 ℃)
		TBD (@ -30 ℃)
	Max Pulse (≤10 sec @ 100% SOC)	400 A (20C)
	Max Pulse (≤300 sec @ 100% SOC)	200 A (10C)
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤2.0 mΩ
	DCIR (≤5 sec, 1C @ 30% SOC)	≤2.9 mΩ
Cycle Life [2]	+0.2C / -1C, 100% DOD to 80% SOH	70 cycles
	+0.2C / -1C, 70% DOD to 80% SOH	120 cycles
	+1C / -2C, 100% DOD to 80% SOH	30 cycles
Self Discharge [3]	Capacity loss (@ 25 ℃, 30% SOC)	≤2%/year (estimated)
Certifications	UN 38.3	

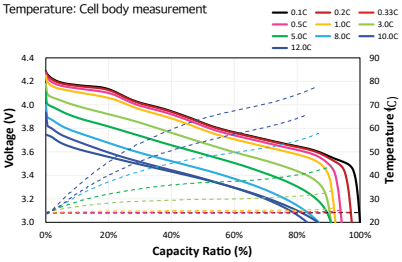
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Typical values
[3] Recovery capacity loss, based on initial capacity

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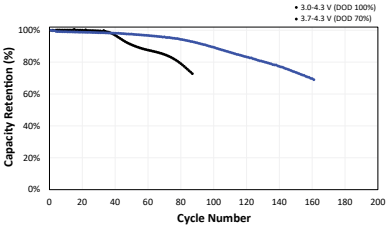
Discharge Rated Capacity at 25 °C

Charge: CC-CV mode, 0.5C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



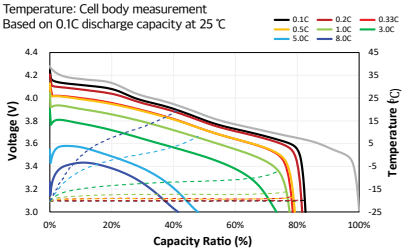
Cycle Life Performance

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 1.0C, 3.0/3.7 V cut-off at 25 ℃
Depth of Discharge: 100%, 70%



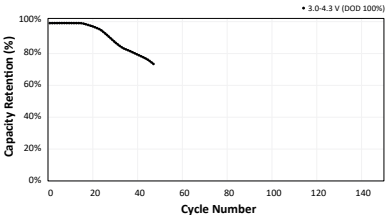
Discharge Rated Capacity at -20 °C

Charge: CC-CV mode, 0.2C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, Various Current, 3.0 V cut-off at -20 ℃
Temperature: Cell body measurement
Based on 0.1C discharge capacity at 25 ℃



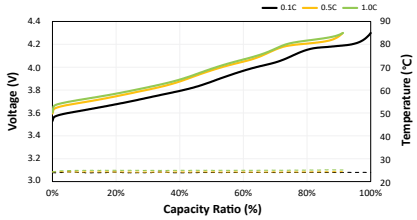
Cycle Life Performance

Charge: CC-CV mode, 1.0C, 4.3 V, 0.05C cut-off at 25 ℃
Discharge: CC mode, 2.0C, 3.0 V cut-off at 25 ℃
Depth of Discharge: 100%



Charge Rated Capacity at 25 °C

Charge: CC mode, Various Current, 4.3 V cut-off at 25 ℃
Discharge: CC mode, 0.5C, 3.0 V cut-off at 25 ℃
Temperature: Cell body measurement



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Maximus UL 03S

Preliminary



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	70.5 x 40.5 x 5.53 ㎜
Weight		30 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +71 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	3.1 Ah / 3.0 Ah (0.1C)
	Rated	2.75 Ah (1C)
Energy	Typical / Min	12.0 Wh / 11.3 Wh (0.1C)
	Rated	10.5 Wh (1C)
Energy Density	Gravimetric	400 Wh/kg (0.1C)
	Volumetric	759 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.83 V / 4.30 V / 3.00 V
Charge Current	Standard	0.6 A (0.2C)
	Maximum	12 A (4C)
Discharge Current	Standard	3 A (1C)
	Max Continuous (100 to 0% SOC)	48 A (16C)
		TBD (@ -20 ℃)
		TBD (@ -30 ℃)
	Max Pulse (≤10 sec @ 100% SOC)	48 A (16C)
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤7.7 mΩ
	DCIR (≤5 sec, 1C @ 30% SOC)	≤13.5 mΩ
Cycle Life [2]	+0.2C / -1C, 100% DOD to 80% SOH	200 cycles
	+0.2C / -1C, 70% DOD to 80% SOH	300 (TBD) cycles
	+1C / -2C, 100% DOD to 80% SOH	100 cycles
	+1C / -2C, 70% DOD to 80% SOH	TBD
Self Discharge [3]	Capacity loss (@ 25 ℃, 30% SOC)	≤2%/year (estimated)
Certifications	UN 38.3 (TBD)	

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Typical values
[3] Recovery capacity loss, based on initial capacity

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Maximus SF 03A



Preliminary



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	70.5 x 40.5 x 5.3 ㎜
Weight		28 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +71 ˚C
	Storage	0 to +45 ˚C



Item	Standard	Result
Capacity	Typical / Min	3.1 Ah / 3.0 Ah (0.1C)
	Rated	2.75 Ah (1C)
Energy	Typical / Min	11.8 Wh / 11.6 Wh (0.1C)
	Rated	10.6 Wh (1C)
Energy Density	Gravimetric	426 Wh/kg (0.1C)
	Volumetric	788 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.86 V / 4.30 V / 3.00 V
Charge Current	Standard	0.6 A (0.2C)
	Maximum	12 A (4C)
Discharge Current	Standard	3 A (1C)
	Max Continuous (100 to 0% SOC)	60 A (20C)
		TBD (@ -20 ℃)
		TBD (@ -30 ℃)
	Max Pulse (≤10 sec @ 100% SOC)	TBD
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤8.0 mΩ
	DCIR (≤5 sec, 1C @ 30% SOC)	≤13.5 mΩ
Cycle Life [2]	+0.2C / -1C, 100% DOD to 80% SOH	80 cycles
	+0.2C / -1C, 70% DOD to 80% SOH	TBD
	+1C / -2C, 100% DOD to 80% SOH	50 cycles
	+1C / -2C, 70% DOD to 80% SOH	TBD
Self Discharge [3]	Capacity loss (@ 25 ℃, 30% SOC)	≤2%/year (estimated)
Certifications	UN 38.3	

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Typical values
[3] Recovery capacity loss, based on initial capacity

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Upcoming Cell Lineup

Preliminary

MUL16A (Ultralight | Energy)



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	143.0 x 85.5 x 4.4 ㎜
Weight	-	128 g
Capacity	Typical / Min	17.0 Ah / 16.0 Ah (0.1C)
Energy	Typical / Min	65.6 Wh / 61.8 Wh (0.1C)
Energy Density	Gravimetric	513 Wh/kg (0.1C)
	Volumetric	1,227 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.86 V / 4.30 V / 3.00 V
Charge Current	Standard / Max Continuous	3.2 A (0.2C) / 16 A (1C)
Discharge Current	Standard / Max Continuous	16 A (1C) / 80 A (5C)
Cycle Life	+0.2C / -1C, 100% DOD to 80% SOH	70 cycles
	+1C / -2C, 100% DOD to 80% SOH	30 cycles



MUL17S (Ultralight | Durability)



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	143.0 x 85.5 x 6.2 ㎜
Weight	-	171 g
Capacity	Typical / Min	18.2 Ah / 17.0 Ah (0.1C)
Energy	Typical / Min	69.5 Wh / 66.1 Wh (0.1C)
Energy Density	Gravimetric	407 Wh/kg (0.1C)
	Volumetric	917 Wh/L (0.1C)
Voltage	Nominal / Charge / Discharge	3.83 V / 4.30 V / 3.00 V
Charge Current	Standard / Max Continuous	3.4 A (0.2C) / 17 A (1C)
Discharge Current	Standard / Max Continuous	17 A (1C) / 170 A (10C)
Cycle Life	+0.2C / -1C, 100% DOD to 80% SOH	200 cycles
	+1C / -2C, 100% DOD to 80% SOH	100 cycles

BEI

Dominus Ultralight Series

Technical Data Sheet

Dominus UL 03A-4S2PA | 8S1PA
Dominus UL 03S-6S1PA
Dominus UL 16A-14S1PA
Dominus UL 17B-6S1PA | 17B-7S1PA
Dominus UL 20A-8S1PA

Dominus Bundle UL 17B-6S1PA | 17B-8S1PA
Dominus Bundle UL 18A-12S1PA

Coming Soon

Upcoming Product Lineup



Next-generation packs — scheduled for release Q2 2026 through Q1 2027
Dominus battery packs are available in standard configurations, with customization options available upon request.

PRODUCT RELEASE ROADMAP (PACK)

Q2 2026



DUL03A-4S2PA | DUL03A-8S1PA (Prototype)

300 Wh/kg | 300 Wh/kg
Ultralight



DUL17B-6S1PA

344 Wh/kg
Ultralight



DUL20A-8S1PA

382 Wh/kg
Ultralight Energy

Q3 2026



DUL17B-7S1PA (Prototype)

333 Wh/kg
Ultralight



DBUL17B-6S1PA
DBUL17B-8S1PA

362 Wh/kg | 368 Wh/kg
Ultralight Bundle

Q4 2026



DUL16A-14S1PA (Prototype)

441 Wh/kg
Ultralight Energy



DBUL18A-12S1PA (Prototype)

356 Wh/kg
Ultralight Bundle

Q1 2027



DUL03S-6S1PA (Prototype)

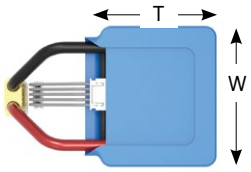
246 Wh/kg
Durability

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Dominus UL 03A-4S2PA



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	84 x 62 x 49 ㎜
Weight		350 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C





Item	Standard	Result
Capacity	Typical / Min	6.2 Ah / 6.0 Ah (0.1C)
	Rated	5.6 Ah (1C)
Energy	Typical / Min	96 Wh / 92.8 Wh (0.1C)
	Rated	86.4 Wh (1C)
Energy Density	Gravimetric [2]	300 Wh/kg (0.1C)
	Volumetric	375 Wh/L (0.1C)
Voltage	Nominal	15.44 V (3.86 V / Cell)
	Charge	17.2 V (4.3 V / Cell)
	Discharge	12.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	14.4 V (3.6 V / Cell)
Charge Current	Standard	1.2 A (0.2C)
	Maximum	6 A (1C)
Discharge Current	Standard	6 A (1C)
	Max Continuous (100 to 0% SOC)	90 A (15C)
	Max Pulse (≤10 sec @ 100% SOC)	120 A (20C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	14.5 mΩ
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	50 cycles
Certifications		

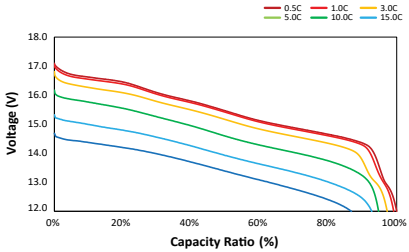
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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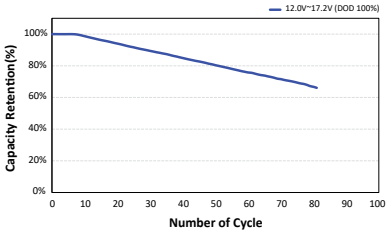
Discharge Performance at 25 °C

Charge: CC-CV mode, 0.5 C, 17.2 V, 0.05 C cut-off at 25 ℃
Discharge: CC mode, Various current, 12.0 V cut-off at 25 ℃



Cycle Life Performance

Charge: CC-CV mode, 1.0 C, 17.2 V, 0.05 C cut-off at 25 ℃
Discharge: CC mode, 2.0 C, 12.0 V cut-off at 25 ℃





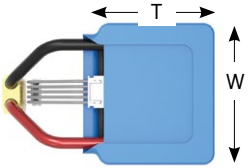
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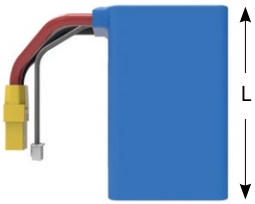
Dominus UL 03A-8S1PA

Prototype



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	84 x 62 x 49 ㎜
Weight		350 g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C





Item	Standard	Result
Capacity	Typical / Min	3.1 Ah / 3.0 Ah (0.1C)
	Rated	2.8 Ah (1C)
Energy	Typical / Min	96 Wh / 92.8 Wh (0.1C)
	Rated	86.4 Wh (1C)
Energy Density	Gravimetric [2]	300 Wh/kg (0.1C)
	Volumetric	375 Wh/L (0.1C)
Voltage	Nominal	30.88 V (3.86 V / Cell)
	Charge	34.4 V (4.3 V / Cell)
	Discharge	24.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	28.8 V (3.6 V / Cell)
Charge Current	Standard	0.6 A (0.2C)
	Maximum	3 A (1C)
Discharge Current	Standard	3 A (1C)
	Max Continuous (100 to 0% SOC)	45 A (15C)
	Max Pulse (≤10 sec @ 100% SOC)	60 A (20C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	<11 mΩ
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	40 cycles
Certifications		

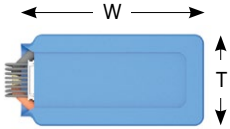
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus UL 17B-6S1PA









Item	Standard	Result
Size	Typical, (L) X (W) X (T)	158 x 95 x 53 ㎜
Weight		1.25 kg
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	18.0 Ah / 17.0 Ah (0.1C)
	Rated	16.5 Ah (1C)
Energy	Typical / Min	416.9 Wh / 393.7 Wh (0.1C)
	Rated	382.1 Wh (1C)
Energy Density	Gravimetric [2]	333.5 Wh/kg (0.1C)
	Volumetric	524 Wh/L (0.1C)
Voltage	Nominal	23.16 V (3.86 V / Cell)
	Charge	25.8 V (4.3 V / Cell)
	Discharge	18.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	21.6 V (3.6 V / Cell)
Charge Current	Standard	3.4 A (0.2C)
	Maximum	17 A (1C)
Discharge Current	Standard	17 A (1C)
	Max Continuous (100 to 0% SOC)	136 A (8C)
	Max Pulse (≤10 sec @ 100% SOC)	170 A (10C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤11 mΩ
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	40 cycles
Certifications	UN 38.3	

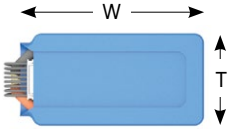
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus UL 17B-7S1PA

Prototype







Item	Standard	Result
Size	Typical, (L) X (W) X (T)	158 x 95 x 60 ㎜
Weight		1.46 kg
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	18.0 Ah / 17.0 Ah (0.1C)
	Rated	16.5 Ah (1C)
Energy	Typical / Min	486.4 Wh / 459.3 Wh (0.1C)
	Rated	445.8 Wh (1C)
Energy Density	Gravimetric [2]	333 Wh/kg (0.1C)
	Volumetric	524 Wh/L (0.1C)
Voltage	Nominal	27.0 V (3.86 V / Cell)
	Charge	30.1 V (4.3 V / Cell)
	Discharge	21.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	25.2 V (3.6 V / Cell)
Charge Current	Standard	3.4 A (0.2C)
	Maximum	17 A (1C)
Discharge Current	Standard	17 A (1C)
	Max Continuous (100 to 0% SOC)	136 A (8C)
	Max Pulse (≤10 sec @ 100% SOC)	170 A (10C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤15 mΩ
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	40 cycles
Certifications		

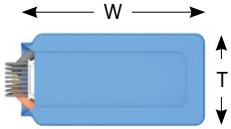
[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus UL 20A-8S1PA









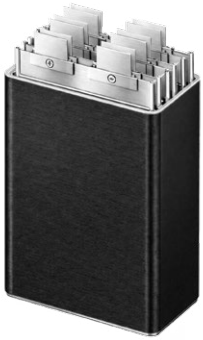
Item	Standard	Result
Size	Typical, (L) X (W) X (T)	160 x 95 x 55 ㎜
Weight		1.58 kg
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

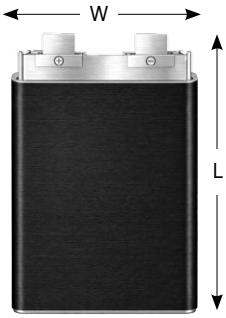
Item	Standard	Result
Capacity	Typical	19.3 Ah (0.1C)
	Rated	18.9 Ah (0.5C)
Energy	Typical	592.9 Wh (0.1C)
	Rated	580.6 Wh (0.5C)
Energy Density	Gravimetric [2]	382.5 Wh/kg (0.1C)
	Volumetric	709.2 Wh/L (0.1C)
Voltage	Nominal	30.72 V (3.84 V / Cell)
	Charge	33.6 V (4.2 V / Cell)
	Discharge	27.2 V (3.4 V / Cell)
	Recommended landing Voltage [5]	28.8 V (3.6 V / Cell)
Charge Current	Standard	4 A (0.2C)
	Maximum	20 A (1C)
Discharge Current	Standard	20 A (1C)
	Max Continuous (100 to 0% SOC)	100 A (5C)
	Max Pulse (≤10 sec @ 100% SOC)	140 A (7C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤17 mΩ
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	≤ 25 cycles
	+0.5C / -1C, 100% DOD to 80% SOH	≤ 10 cycles
Certifications	UN 38.3	

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus Bundle UL 17B-6S1PA





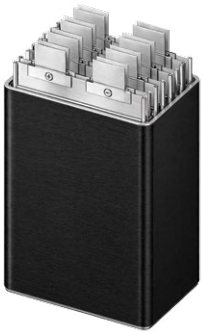
Item	Standard	Result
Size	Typical, (L) X (W) X (T)	144 x 94 x 40.5 ㎜
Weight		1.15 kg ±20g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

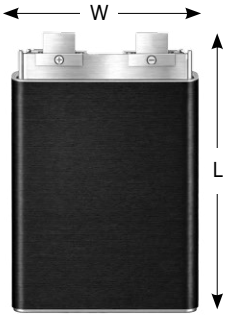
Item	Standard	Result
Capacity	Typical / Min	18.0 Ah / 17.0 Ah (0.1C)
	Rated	16.5 Ah (1C)
Energy	Typical / Min	416.9 Wh / 393.7 Wh (0.1C)
	Rated	382.1 Wh (1C)
Energy Density	Gravimetric [2]	362.5 Wh/kg (0.1C)
	Volumetric	760.4 Wh/L (0.1C)
Voltage	Nominal	23.16 V (3.86 V / Cell)
	Charge	25.8 V (4.3 V / Cell)
	Discharge	18.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	21.6 V (3.6 V / Cell)
Charge Current	Standard	3.4 A (0.2C)
	Maximum	17 A (1C)
Discharge Current	Standard	17 A (1C)
	Max Continuous (100 to 0% SOC)	136 A (8C)
	Max Pulse (≤10 sec @ 100% SOC)	170 A (10C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	TBD
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	< 10 cycles
Certifications		

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus Bundle UL 17B-8S1PA





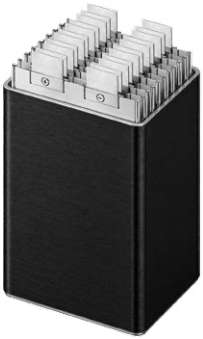
Item	Standard	Result
Size	Typical, (L) X (W) X (T)	144 x 94 x 55.4 ㎜
Weight		1.51 kg ±25g
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

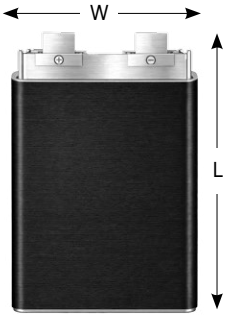
Item	Standard	Result
Capacity	Typical / Min	18.0 Ah / 17.0 Ah (0.1C)
	Rated	16.5 Ah (1C)
Energy	Typical / Min	555.8 Wh / 525.0 Wh (0.1C)
	Rated	509.5 Wh (1C)
Energy Density	Gravimetric [2]	368.1 Wh/kg (0.1C)
	Volumetric	733.4 Wh/L (0.1C)
Voltage	Nominal	30.88 V (3.86 V / Cell)
	Charge	34.4 V (4.3 V / Cell)
	Discharge	24.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	28.8 V (3.6 V / Cell)
Charge Current	Standard	3.4 A (0.2C)
	Maximum	17 A (1C)
Discharge Current	Standard	17 A (1C)
	Max Continuous (100 to 0% SOC)	136 A (8C)
	Max Pulse (≤10 sec @ 100% SOC)	170 A (10C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	TBD
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	< 10 cycles
Certifications		

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Dominus Bundle UL 18A-12S1PA





Item	Standard	Result
Size	Typical, (L) X (W) X (T)	144 x 98 x 84 ㎜
Weight		2.3 kg
Temperature Range [1]	Charge	+10 to +45 ˚C
	Discharge	-35 to +45 ˚C
	Storage	0 to +45 ˚C

Item	Standard	Result
Capacity	Typical / Min	18.6 Ah / 17.7 Ah (0.1C)
	Rated	TBD
Energy	Typical / Min	861.0 Wh / 820.0 Wh (0.1C)
	Rated	TBD
Energy Density	Gravimetric [2]	356 Wh/kg (0.1C)
	Volumetric	691 Wh/L (0.1C)
Voltage	Nominal	46.3 V (3.86 V / Cell)
	Charge	51.6 V (4.3 V / Cell)
	Discharge	36.0 V (3.0 V / Cell)
	Recommended landing Voltage [5]	43.2 V (3.6 V / Cell)
Charge Current	Standard	3.6 A (0.2C)
	Maximum	18 A (1C)
Discharge Current	Standard	18 A (1C)
	Max Continuous (100 to 0% SOC)	90A (5C)
	Max Pulse (≤10 sec @ 100% SOC)	126 A (7C) [3]
Internal Resistance	ACIR (1 kHz @ 30% SOC)	TBD
Cycle Life [4]	+0.2C / -1C, 100% DOD to 80% SOH	Under Evaluation
	+1C / -2C, 100% DOD to 80% SOH	< 10 cycles
Certifications		

[1] The maximum cell body temperature should not exceed 90 °C under the specified operating conditions
[2] Exclude XT90 (power), JST-XH (sensing) wire weight
[3] Estimate
[4] Typical values
[5] Landing voltage may vary depending on the user's needs, environment, and purpose. Please contact us for a more detailed voltage range.

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Upcoming Pack Lineup

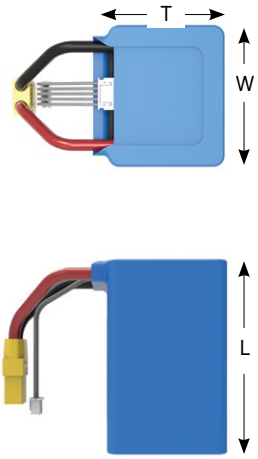
Prototype

Dominus UL 16A-14S1PA (Ultralight | Energy)



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	158 x 94 x 80.5 ㎜
Capacity	Typical / Min	17.0 Ah / 16.0 Ah (0.1C)
Weight		2.08 kg
Voltage	Nominal / Charge / Discharge	54.0V / 60.2 V / 42.0V
Energy	Typical / Min	918.7 Wh / 864.6 Wh (0.1C)
Energy Density	Gravimetric	441 Wh/kg (0.1C)
	Volumetric	768 Wh/L (0.1C)
Charge Current	Standard / Max	3.2 A (0.2C) / 16 A (1C)
Discharge Current	Standard / Max	18 A (1C) / 128 A (8C)

Dominus UL 03S-6S1PA (Ultralight | Durability)



Item	Standard	Result
Size	Typical, (L) X (W) X (T)	84.5 x 48.5 x 48.5 ㎜
Capacity	Typical / Min	3.0 Ah / 2.85 Ah (0.1C)
Weight		0.28 kg
Voltage	Nominal / Charge / Discharge	23.04V / 25.8 V /18.0V
Energy	Typical / Min	69.1 Wh (0.1C)
Energy Density	Gravimetric	246 Wh/kg (0.1C)
	Volumetric	347 Wh/L (0.1C)
Charge Current	Standard / Max	0.6 A (0.2C) / 3.0 A (1C)
Discharge Current	Standard / Max	3.0 A (1C) / 15.0 A (5C)

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BEI

Beyond Energy Innovation

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