

Modules Spec Sheet



Product	Industrial HD	SB (MY 18)	LB (MY 19)	Atlas	BCB-1	EV2 - 6S3P	EV2 - 12S2P	EV2 - 12S3P	EB42X (EVA2)
Chemistry (Cathode)	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 8 Series	NCM 8 Series	NCM 8 Series	NCM 8 Series	NCM 8 Series
Chemistry (Anode)	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
Product Application	Non-automotive	Non-automotive	Non-automotive	Non-automotive	Non-automotive	Automotive	Automotive	Automotive	Automotive
Product Features	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle				Compact Size/ Light Weight/ High Strength/ Long Circle
Product Certification	UN38.3(2024)	UN38.3(2024)	UN38.3(2024)	UN38.3(2024)	UN38.3(2024)				UN38.3(2024)
Ingress Protection Rating (applicable to module/ pack)	IP65	IP65	IP65	IP65	IP65				
Cell Used	P32 Ni6	P32 Ni6	P32 Ni6	P32 Ni6	P73 Ni8	P73 Ni8	P73 Ni8	P73 Ni8	P73 Ni8
Cell Group (applicable to module/ pack)	28 - Cell	28 - Cell	56 - Cell	84 - Cell	28 - Cell	18 - Cell	24 - Cell	36 - Cell	36 - Cell
Configuration (applicable to module/ pack)	14S2P	28S1P	28S2P	14S6P	14S2P		12S2P	12S3P	18S2P
Nominal Voltage [V] C/3, 25°C	51.38	51.38	102.76	51.38	51.1	21.9	43.8	43.8	65.8
Gravimetric Energy Density [Wh/kg] C/3, 25°C	183	183	191	176	222	231	235	240	245
Volumetric Energy Density [Wh/L] C/3, 25°C	396	396	396	326	466	451	458	469	488.35
Continuous Charge Power [C - rate]	1.5C	1.5C	1.5C	1.5C	1.5C	4C	4C	4C	3C
Continuous Discharge Power [C - rate]	1C	1C	1C	1C	1C	1.8C	1.8C	1.8C	2C
Max Discharge Power 10S, SOC 50%	11.8KW	11.8KW	23.7KW	35.6KW	28KW	21.35KW	28.5KW	42.7KW	38KW
Recommended Charge Time [min]	47	47	47	47	31	30	30	30	30 @35°C
Weight	18 ± 0.5 kg	18 kg	35 kg	58.4 kg	33.5 kg	20.8 kg	27.2 kg	40.4 kg	39.08 ± 0.35 kg
Dimensions L x W x T [mm]	248 x 200 x 167.5 - 168.5	248 x 200 x 167.5 - 168.5	385 x 248 x 171.0 - 172.5	691 x 256 x 176 ± 1.5	460 x 313 x 111.5 ± 1	311 x 110 x 311	311 x 110 x 408	311 x 110 x 604	590.2 ± 0.9 x 310.8 ± 0.8 x 107.3 ± 0.5
Volume [Liter] (applicable to module/ pack)	8.3	8.3	16.4	31	16	10.64	13.96	20.66	19.68

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Product	EV2 - 20S2P	EV2 - 22S2P	VDA 590 - 12S2P	VDA 355 - 6S2P	VDA 355 - 3S4P	VDA 355 - 12S1P	EV3 9S3P	EV3 14S3P
Chemistry (Cathode)	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 6 Series	NCM 8 Series	NCM 8 Series
Chemistry (Anode)	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
Product Application	Automotive	Automotive	VDA Platform	VDA Platform	VDA Platform	VDA Platform	Automotive	Automotive
Product Features	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength/ Long Circle	Compact Size/ Light Weight/ High Strength	Compact Size/ Light Weight/ High Strength	Compact Size/ Light Weight/ High Strength	Compact Size/ Light Weight/ High Strength	Compact Size/ Light Weight/ High Strength
Product Certification	GB 38031	GB 38031	UN38.3(2024)					
Ingress Protection Rating (applicable to module/ pack)	IP67	IP67	IP54	IP54	IP XXB	IP XXB		
Cell Used	P64 Ni6	P64 Ni6	P75 Ni8	P50 Ni6	P50 Ni6	P50/P55 Ni6	P76	P73 Ni8
Cell Group (applicable to module/ pack)	40 - Cell	44 - Cell	24 - Cell	12 - Cell	12 - Cell	12 - Cell	27 - Cell	42 - Cell
Configuration (applicable to module/ pack)	20S2P	22S2P	12S2P	6S2P	3S4P	12S1P	9S3P	14S3P
Nominal Voltage [V] C/3, 25°C	75.2	82.7	44.16	22.26	11.13	44.52	32.85	51.1
Gravimetric Energy Density [Wh/kg] C/3, 25°C	224.5	225.1	220	210	209	210	241.77	247.29
Volumetric Energy Density [Wh/L] C/3, 25°C	216	216	461.94	397	397	397	489	496.48
Continuous Charge Power [C - rate]	1C	1C	1.43C (5min @ 25°C, ≥ 40% SOC)	1.2C	1.2C	1.2C		
Continuous Discharge Power [C - rate]	1.5C	1.5C	equivalent 2.2C	1C	1C	1C		
Max Discharge Power 10S, SOC 50%	47KW	52KW	36.45KW	12.15KW (10S, 50%SOC, 25°C)	12.15KW (10S, 50%SOC, 25°C)	12.15KW (10S, 50%SOC, 25°C)		
Recommended Charge Time [min]	23.9	23.9	21	43.8 (25°C, 10% - 80%SOC)	<47 (25°C, 10% - 80%SOC)	43.8 (25°C, 10% - 80%SOC)		
Weight	44.2 ± 1 kg	48.5 ± 1 kg	30 ± 0.5 kg	10.8 ± 0.2 kg	10.8 ± 0.2 kg	10.8 ± 0.2 kg	31.1 ± 0.5 kg	47.3 ± 0.8 kg
Dimensions L x W x T [mm]	602 x 390 x 93 ± 1	602 x 427 x 93 ± 1	589.4 ± 1 x 225 ± 1 x 108 ± 1	355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5	355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5	355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5	450.7 ± 1.5 x 314.6 ± 1 x 108.4 ± 0.8	691.2 ± 1.5 x 314.6 ± 1 x 108.4 ± 0.8
Volume [Liter] (applicable to module/ pack)	21.8	23.9	14.43	4.25	4.25	4.25	15.37	23.56