

Cells Spec Sheet



	Model	P32	P53	P50 (β)	P58	P64D	P73	P76	P75	P57A	P56D Aero	P187A
Basic Specs	Chemistry (Cathode)	NCM 6 Series	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	LFP
	Chemistry (Anode)	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
	Product Application	EV, eBike, Motorsports, Marine	EV, eBike, Motorsports	EV, eBike, Motorsports	EV, eBike, Motorsports	EV	EV	EV	EV/ e-Truck	eVTOL	eVTOL	EV
	Product Features	High Voltage Platform / High Maturity / High Security				3C Fast Charge/ High Voltage Platform/ High Security	High Energy Density/ High Security		2.2C High Fast Charge/ High Power/ Long Life	High Energy Density	2.2C High Fast Charge/ High Power/ Long Life	Super Pouch/ Long cycle/ High security
	Product Certification	UN38.3/ UL2580	To be collected	GB 38031 GB/T 31484/31486/ UL1642	UN38.3/(GB 38031 GB/T 31484/31486) / UL1642	GB 38031 GB/T 31484/31486	UN38.3/ GB 38031/ GB/T 31484/31486) / UL1642	UN38.3/ GB 38031 GB/T 31484/31486	UN38.3/ GB 38031 GB/T 31484/31486	UN38.3	UN38.3	GB 38031 GB/T 31484/31486
	Nominal Capacity [Ah] C/3 @25°C	33.3	55.5	52	60.5	66	73	76.3	74.9	58.8	56.4	188.5
	Nominal Voltage [V] C/3 @25°C	3.73	3.73	3.71	3.75	3.76	3.65	3.65	3.68	3.66	3.68	3.21
	Energy Density [Wh/kg] C/3 @25°C	249	258	255	272	263	283	286	267	284.1	275.3	199
Performance Specs	Cycle Life to SOH 70% (C/3 90%DOD)	> 4000 @0.33C/0.33C, 90%DOD	> 4000 @0.33C/0.33C, 90%DOD	To be collected	> 3000 @0.33C/0.33C, 90%DOD	To be collected	> 5000 @0.33C/0.33C, 90%DOD	> 2000 @0.33C/0.33C, 4.2-2.75V	> 7000 @0.33C/0.33C, 90%DOD	> 5000 @0.33C/0.33C, 90%DOD	> 7000 @0.33C/0.33C, 90%DOD	≥ 3000 @SC/1C, 3.65-2.5V
	Recommended Charge Time [min] SOC 10% - 80%	45	46	44	45	24	30	40	19.5	30	19.5	39
	Internal Resistance [mΩ] SOC=50%, 25°C, 1C 10ss	2.4 (2C, 0.5s)	2.3	2.5	2.3	1.45	1.16 - 1.37	1.16 - 1.37	1.2	1.77	1.3	< 0.8
	Continuous Charge Power [C - rate]	1.0C (180S, 50%SOC)	1.0C (180S, 50%SOC)	279W (1.5C) (60S, 50%SOC)	1.0C (180S, 50%SOC)	240W (60S, 50%SOC)	Charge according to OPW fast charging strategy	Charge according to OPW fast charging strategy	Charge according to OPW fast charging strategy	Charge according to OPW fast charging strategy	Charge according to OPW fast charging strategy	543W (0.9C) (60S, 50%SOC)
	Continuous Discharge Power [C - rate]	4.0C (180S, 50%SOC)	4.0C (180S, 50%SOC)	706W (3.8C) (60S, 50%SOC)	4.0C (180S, 50%SOC)	649W (60S, 50%SOC)	4C	1.5C	722W (3C)	5C (40°C, 30%SOC, 60S)	8C (40°C, 30%SOC, 60S)	1298W (2.2C) (60S, 50%SOC)
	Discharge Pulse [C - rate]	9C (10s, 25°C, 50%SOC)	9C (10s, 25°C, 50%SOC)	6.5C (10s, 25°C, 50%SOC)	8.5C (10s, 25°C, 50%SOC)	6.5C (10s, 25°C, 50%SOC)	4.45C (10s, 25°C, 50%SOC)	3.71C (10s, 25°C, 50%SOC)	8.7C (10s, 25°C, 50%SOC)	5C (10s, 25°C, 50%SOC)	8C (10s, 25°C, 50%SOC)	5C (10s, 25°C, 50%SOC)
Physical Specs	Max Power 10S, 50%SOC, discharge	870.09W (9C)	1454.68W (9C)	984W (5.4C)	1502.26W (8.5C)	1176W (4.9C)	To be collected	To be collected	2025W (8.7C)	770W (4.5C)	1510W (8.7C)	2699W (4.6C)
	Weight	498 ± 15 g	800 ± 15 g	741 ± 15 g	833 ± 15 g	944 ± 20 g	941 ± 10 g	971.5 ± 10.5 g	1030 ± 15 g	771 ± 15 g	765 ± 15 g	3040 ± 45 g
	Dimensions L x W x T [mm]	231 x 160 x 6.05	231 x 161 x 10	316 x 103 x 10.52 ± 0.25	231 x 161 x 10.15 ± 0.25	573 x 88 x 8.15	294.4 x 103.9 x 14.3 ± 0.35	294.4 x 105.5 x 14.45 ± 0.35	542 x 101 x 8.21	326 x 79 x 13.9	326 x 79 x 13.9	598 x 200 x 11.8 ± 0.25
	Charge Temp Range [°C]	-15 - 55 (two - wheel 60)	-20 - 55 (two - wheel 60)	-20 - 55	-20 - 55 (two - wheel 60)	-20 - 55	-25 - 57.5	-25 - 57.5	-20 - 55	-20 - 55	-20 - 55	5-20 - 55
	Operating Temperature [°C]	-30 - 55 (two - wheel 65)	-30 - 55 (two - wheel 65)	-30 - 55	-30 - 55 (two - wheel 65)	-30 - 55	-25 - 57.5	-25 - 57.5	-30 - 55	-30 - 55	-30 - 55	-30 - 55