

# Cells Spec Sheet



Model	P32	P53	P50 (β)	P58	P64D	P73	P76	P75	P57A	P56D Aero	P187A	
<b>Chemistry (Cathode)</b>	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	
<b>Chemistry (Anode)</b>	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	
<b>Product Application</b>	EV, eBike, Motorsports, Marine	EV, eBike, Motorsports	EV, eBike, Motorsports	EV, eBike, Motorsports	EV	EV	EV	EV/ e-Truck	eVTOL	eVTOL	EV	
<b>Product Features</b>	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
<b>Product Certification</b>	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	
<b>Nominal Capacity [Ah] C/3 @25°C</b>	33.3	55.5	52	60.5	66	73	76.3	74.9	58.8	56.4	188.5	
<b>Nominal Voltage [V] C/3 @25°C</b>	3.73	3.73	3.71	3.75	3.76	3.65	3.65	3.68	3.66	3.68	3.21	
<b>Energy Density [Wh/kg] C/3 @25°C</b>	249	258	255	272	263	283	286	267	284.1	275.3	199	
<b>Cycle Life to SOH 70% (C/3 90%DOD)</b>	> 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	
<b>Recommended Charge Time [min] SOC 10% - 80%</b>	45	46	44	45	24	30	40	19.5	30	19.5	39	
<b>Internal Resistance [mΩ] SOC=50%, 25°C, 1C 10ss</b>	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	
<b>Continuous Charge Power [C - rate]</b>	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)	
<b>Continuous Discharge Power [C - rate]</b>	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)	
<b>Discharge Pulse [C - rate]</b>	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)	
<b>Max Power 10S, 50%SOC, discharge</b>	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)	
<b>Weight</b>	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	
<b>Dimensions L x W x T [mm]</b>	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	
<b>Charge Temp Range [°C]</b>	-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	
<b>Operating Temperature [°C]</b>	-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	

Basic Specs

Performance Specs

Physical Specs