

Battery Cells



Description:

CBAK offers cylindrical cells like 18650, 26650 and 21700, with diversified capacity levels and discharge rates, applicable for power tool, E-mobility, consumer, medical and ESS products etc.

Li-ion (NCM) cell list

PN#	H18650CC	H18650CQ	N18650CNP	N18650CK	N18650CP	N21700CB
Typical Capacity(Ah) @0.2C	2.2	2.55	2.5	3	3.3	4.8
Nominal Voltage(V)	3.6	3.6	3.6	3.6	3.6	3.6
Energy Density	172Wh/Kg	207Wh/Kg	191Wh/Kg	222Wh/Kg	251Wh/Kg	253Wh/kg
Weight (g)	45	48	47	47	48	70
Internal Resistance(mΩ)	35	30	16	35	35	30
Discharge	Standard	0.5C	0.5C	0.5C	0.5C	0.5C
	Max.	5C	4C	12C	3C	3C
	End Voltage(V)	2.75	2.75	2.5	2.5	2.5
Charge	Standard	0.5C	0.5C	0.5C	0.5C	0.5C
	Max.	1C	1C	2C	1C	1C
	End Voltage(V)	4.2	4.2	4.2	4.2	4.2
Temperature	Charge	0~45℃	0~45℃	0~45℃	0~45℃	0~45℃
	Discharge	-20~60℃	-20~60℃	-20~60℃	-20~60℃	-20~60℃
Cycle Life (to 80% BOL capacity)	1000 cycles	1000 cycles	500 cycles	1000 cycles	1000 cycles	1000 cycles

Lithium Iron Phosphate(LiFePO4) cell list

PN#	P26650HP	26650PFS	26650FS2A	26650FS3	26650FS3A
Typical Capacity(Ah) @0.2C	2.5	3	3.4	3.6	3.8
Nominal Voltage(V)	3.2	3.2	3.2	3.2	3.2
Energy Density	103Wh/Kg	110Wh/Kg	123Wh/Kg	129Wh/Kg	137Wh/Kg
Weight (g)	78	87	88	89	90
Internal Resistance(mΩ)	8	15	20	20	20
Discharge	Standard	1C	1C	0.5C	0.5C
	Max.	15C	10C	3C	3C
	End Voltage(V)	2	2	2	2
Charge	Standard	1C	1C	0.5C	0.5C
	Max.	5C	2C	1C	1C
	End Voltage(V)	3.6	3.6	3.6	3.6
Temperature	Charge	0~45℃	0~45℃	0~45℃	0~45℃
	Discharge	-20~60℃	-20~60℃	-20~60℃	-20~60℃
Cycle Life (to 80% BOL capacity)	2000 cycles	2000 cycles	2000 cycles	2000 cycles	2000 cycles

