



SUPERIOR PERFORMANCE | HIGH QUALITY | GREATER RELIABILITY

Superior Lithium ion Battery

 **Kokam**
by SolarEdge



Pioneer of Lithium ion Battery Technology

The superior characteristics of Kokam's lithium ion batteries are built using Kokam's distinct manufacturing technology. Marked by the patented Z-folding manufacturing technique and using the highly advanced form of lithium and thin film laminations, Kokam's manufacturing technology not only results in a use of and time efficient manufacturing process, but also enhances the overall performance and quality of cells.

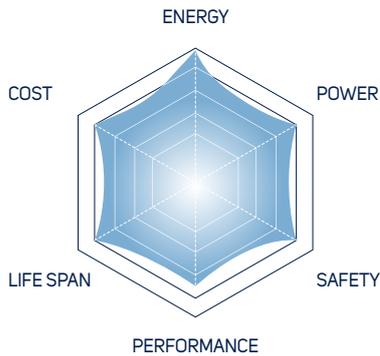
Since introducing its lithium ion batteries to the market, Kokam has brought a variety of cells ranging from 26Ah to 240Ah to its customers. Kokam aims to solve the limitations associated with conventional lithium ion technologies, including cycle and calendar life, safety, recharge time, power delivery, and ability to operate in harsh temperatures. Kokam manufactures high performing lithium ion batteries with relentless efforts and no compromise on performance.

- › High Power Performance
- › High Energy Density
- › High Gravimetric and Volumetric Power Density
- › Longer Cycle and Calendar Life
- › Low Impedance and Low Heat Generation
- › Low Self-Discharge Rates
- › Light Weight
- › High Discharge Energy Efficiency
- › Excellent Power-to-Energy Balance

Cell Type

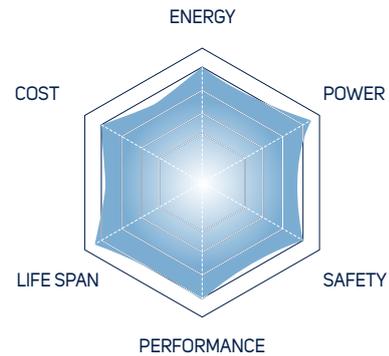
High Energy NMC

- High energy density : Up to 5.4MWh of batteries can be stored in a 40ft container
- Competitive Price : The NMC cells have a comparative advantage in terms of price, considering their superior performance, reliability and safety features



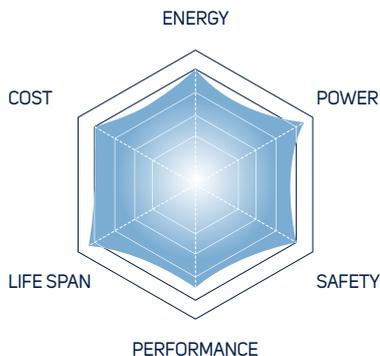
Ultra High Power NMC

- High C-rate up to 30C-rate level (Limited to SLPB98188216P Cell)
- High C-rate discharge performance for uses in frequency regulation, UPS, etc.
- Improved performance without safety or cycle life trade off



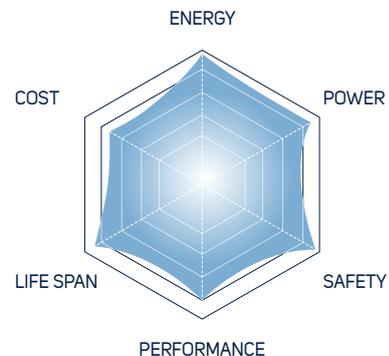
High Power NMC

- Optimized performance with 8C-rate continuous discharge
- Optimized performance with 3C-rate continuous charge
- Improved high power cycle life



NMC+LFP+LTO (Nano)

- Specially designed for defense & aerospace application
- This hybrid type cell has incorporated the advantages of NMC, LFP and LTO cells in one cell. It is suitable for extremely volatile and dynamic operational conditions. The high power, energy and safety features allow the NANO cells to be flexibly applied in various applications



Specification by Type

Ultra High Energy NMC

Type	Model	Nominal Capacity (Ah)	Energy Density (Wh/kg)	Current Discharge		Internal Resistance (mΩ) / Max.	Dimension (WxLxT, mm)	Weight(g) / Max.	Certification
				Continuous	Peak				
20~50Ah	SLPB080085270	26	249	2	4	1.60	99 x 275 x 7.9	387	UL, UN

Ultra High Power NMC For laser weapon, torpedo, etc. with high power and improved cycle life

Type	Model	Nominal Capacity (Ah)	Energy Density (Wh/kg)	Current Discharge		Internal Resistance (mΩ) / Max.	Dimension (WxLxT, mm)	Weight(g) / Max.	Certification
				Continuous	Peak				
20~50Ah	SLPB98188216P	30	146	20	30	0.70	199 x 223 x 9.4	780	
50~100Ah	SLPB130255255P	75	154	8	15	0.40	268 x 265 x 13.7	1,830	UL, UN, CE

High Energy NMC

Type	Model	Nominal Capacity (Ah)	Energy Density (Wh/kg)	Current Discharge		Internal Resistance (mΩ) / Max.	Dimension (WxLxT, mm)	Weight(g) / Max.	Certification
				Continuous	Peak				
50~100Ah	SLPB120216216	53	182	5	8	0.90	226 x 227 x 12	1,095	UL, UN, SBA, CE
	SLPB120216216G1	60	195	3	5	0.60	226 x 227 x 12	1,140	UL
	SLPB120216216G2	70	225	2	3	0.70	226 x 227 x 12.3	1,150	
	SLPB120255255	75	182	3	5	0.65	268 x 265 x 11.8	1,535	UL, UN, SBA, CE
100Ah~	SLPB130255255G1	103	210.6	2	3	0.55	268 x 265 x 13.3	1,810	UL, UN, CB
	SLPB120460330	150	186	2	3	0.50	462 x 327 x 10.5	3,020	UL
	SLPB140460330	200	189	2	3	0.50	462 x 327 x 13.6	3,955	UL, UN
	SLPB160460330	240	198	2	3	0.50	462 x 327 x 15.8	4,510	UL, UN

High Power NMC

Type	Model	Nominal Capacity (Ah)	Energy Density (Wh/kg)	Current Discharge		Internal Resistance (mΩ) / Max.	Dimension (WxLxT, mm)	Weight(g) / Max.	Certification
				Continuous	Peak				
20~50Ah	SLPB100216216H	40	159	8	12	0.80	226 x 227 x 10.3	940	UL, UN, SBA
	SLPB120216216HR2*	46	150	8	12	0.50	226 x 227 x 12.2	1,145	UL, UN
50~100Ah	SLPB120216216G1H	57	180	8	10	0.50	226 x 227 x 12.2	1,175	UN
	SLPB125255255H	75	168	8	12	0.55	268 x 265 x 13	1,665	UL, UN, SBA, CE
	SLPB125255255G1H	85	181	8	12	0.40	268 x 265 x 12.6	1,735	UL, UN, CB

*Chemistry : Nano

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