

Kokam's Battery Modules designed to accommodate cells with different capacities and can easily be tailored to meet diverse energy, voltage, and power requirements.



Meet Various Needs of Customer's Technical Requirement

Modularity:

Standardized structure of the KBM module enables quick and easy connection; both serial and parallel. It can be configured to make a system of 1.2 kWh to MWh-scale ESS.

Maintenance:

Each module is built as an independent tray which allows effective and sufficient handling when maintenance is required.

Air Ventilation:

Cells within the modules are maintained at optimal temperatures to enable a longer life cycle. Optional heat sink plate can be provided to cool electronic components and increase thermal capability.







KBM 255 14S - 3.8kWh ▶



More than 26 years of experience at your service

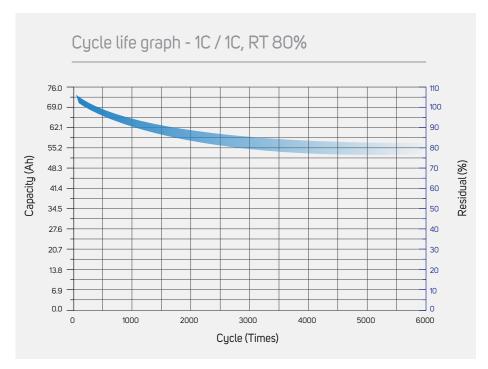
Customization for various applications

Applications

- Marine
- Industrial
- Defense
- UPS (Uninterruptible Power Supply)
- ESS (Energy Storage System)

Key Features

- Battery Management System is included in each module.
- Each module is equipped with a 14 channel voltage sensor and temperature sensor.
- Each module can be connected in serial and parallel to comprise a capacity of multi MWh scale.
- Optimum temperature for battery operation is achieved by incorporating additional spaces between individual cells for ventilation.



Specification

ltem	Value		Remark	
Energy	3.88 kWh		@ C/5 discharge 23± 3℃	
Cell type	75 Ah		Cell type: SLPB120255255	
Minimum Voltage	42.0 V			
Nominal Voltage	51.8 V			
Maximum Voltage	58.8 V			
Max. Continuous Charge C-rate	1C		@ 23± 3℃	
Max. Continuous Discharge C-rate	1C		@ 23± 3℃	
Peak Discharge C-rate	3C		< 10sec, > SOC 50%	
Weight	Approx.	26.00 kg		
Module Dimension	Width	12.00 inch (305 mm)		
	Height	12.80 inch (327.7 mm)		
	Depth	9.26 inch (235.4 mm)		
Available Operating Temperature	Charge	0 ~ 10 ℃	< 0.3C	
		10 ~ 30 ℃	≤ 2.0C	
		30 ~ 40 ℃	< 1.0C	
	Discharge	-10 ~ 55 ℃		
Available Storage Condition	1 year	-20 ~ 25 ℃	@ 00 050/ D.H	
	3 months 25 ~ 40 ℃		@ 60± 25% R.H. SOC 50± 5%	
	<1 week	40 ~ 55 ℃	300 30± 370	



Corporate Headquarters

Email battery@kokam.com / www.kokam.com

Manufacturing Plant



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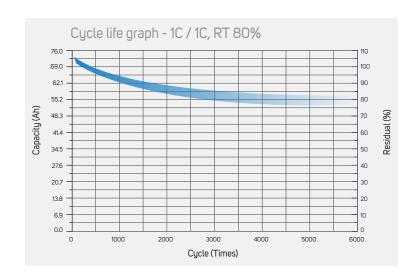


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Specification

Item	Value		Remark	
Energy	11.1 kWh		@ C/5 discharge 23± 3℃	
Cell type	75 Ah		SLPB120255255	
Minimum Voltage	60.0 V			
Nominal Voltage	74.0 V			
Maximum Voltage	84.0 V			
Max. Continuous Charge C-rate	4C		@ 23± 3℃	
Max. Continuous Discharge C-rate	4C		@ 23± 3℃	
Peak Discharge C-rate	8C		< 10sec, > SOC 50%	
Weight	Approx.	92.5 kg		
Module Dimension	Width	12.20 inch (310 mm)		
	Height	12.28 inch (312 mm)		
	Depth	25.31 inch (643 mm)		
Available Operating Temperature	Charge	0 ~ 10 ℃	< 0.3C	
		10 ~ 30 ℃	≤ 2.0C	
		30 ~ 40 ℃	< 1.0C	
	Discharge	-10 ~ 55 ℃		
Available Storage Condition	1 year	-20 ~ 25 °C	000 050/ D11	
	3 months 25 ~ 40 ℃		@ 60± 25% R.H.	
	<1 week	40 ~ 55 ℃	SOC 50± 5%	



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