



Kokam Battery Module

# KBM SERIES MODULE

## KBM460 20S 1P

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 460 20S 1P - 7.4kWh

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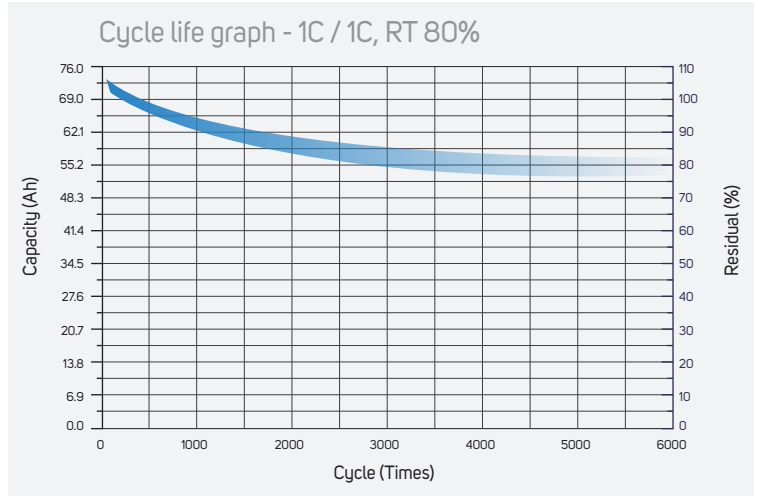


# More than 26 years of experience at your service

Customization for various applications

## 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.



## Technical Specification \_ 20S 1P

Cell Type / Capacity (Ah)	Connection Type	Energy (kWh)	Min. Voltage (V)	Nominal Voltage (V)	Max. Voltage (V)	Weight (kg)	Dimension (WxDxH) (mm)
SLPB65460330 / 85Ah	20S1P	6.29	60	74	84	57.5	480 x 225 x 396
SLPB75460330 / 110Ah	20S1P	8.14	60	74	84	67.5	480 x 225 x 396

## Specification

Item	Value	Remark	
Cell type	100 Ah	Cell type: SLPB80460330	
Energy	7.4 kWh	@ C/5 discharge 23± 3°C	
Weight (Approx.)	67.5 (57.5) kg	Heat Sink plate included	
Minimum Voltage	60.0 V		
Nominal Voltage	74.0 V		
Maximum Voltage	84.0 V		
Max. Continuous Charge Current	200A (2C)	@ 23± 3°C	
Max. Continuous Discharge Current	200A (2C)	@ 23± 3°C	
Peak Discharge Current	300A (3C)	< 10sec, > SOC 50%	
Module Dimension	Width	18.90 inch (480 mm)	
	Height	15.59 inch (396 mm)	
	Depth	8.86 inch (225 mm)	
Available Operating Temperature	Charge	0 ~ 10 °C	< 0.3C
		10 ~ 30 °C	≤ 2.0C
		30 ~ 40 °C	< 1.0C
Available Storage Condition	Discharge	1 year	-20 ~ 25 °C
		3 months	25 ~ 40 °C
		<1 week	40 ~ 55 °C
			@ 60± 25% R.H. SOC 50± 5%