



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 :

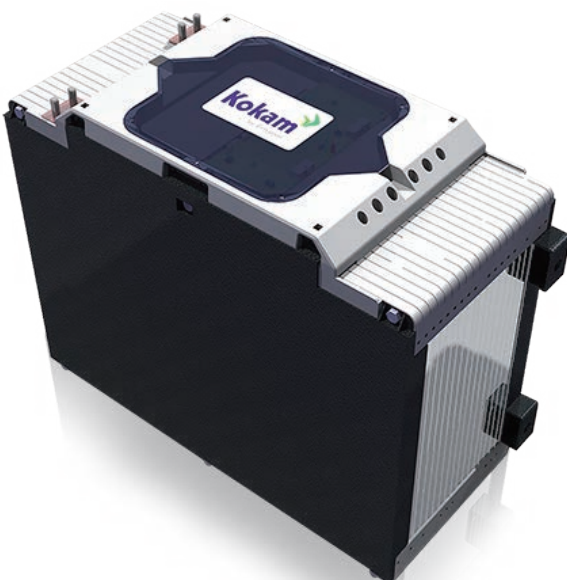
Standardized structure of the KBM module enables quick and easy connection; both serial and parallel. It can be configured to make a system of 1.2 kWh to MWh-scale ESS.

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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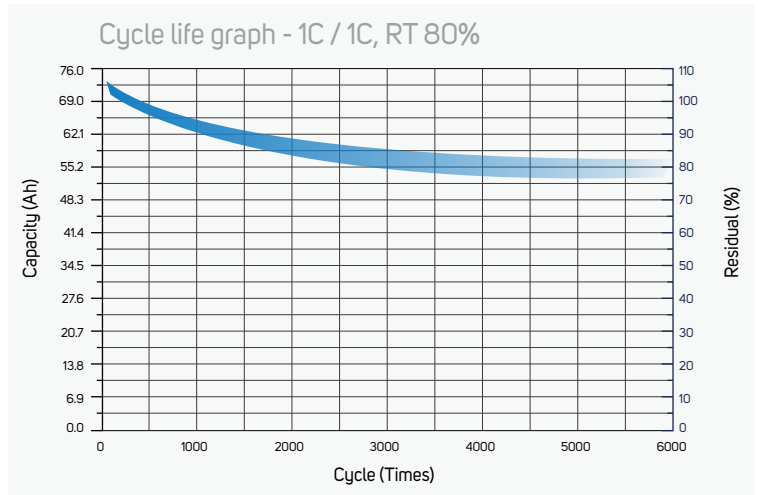


More than 31 years of experience at your service

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 10 ~ 30 °C 30 ~ 40 °C
	Discharge	-10 ~ 55 °C
	1 year	-20 ~ 25 °C
Available Storage Condition	3 months	25 ~ 40 °C
	<1 week	40 ~ 55 °C
		@ 60± 25% R.H. SOC 50± 5%