

KOKAM BATTERY PACK

48V SOLUTION

Kokam Battery Pack

Kokam's Battery Pack (KBP48) is composed of Kokam SLPB assembled in series with slave BMS attached on the module. Electric Components and Master BMS are attached inside of each pack. The battery pack allows clients to integrate their inverters and construct a system that may be used for a variety of purposes such as Lead Acid battery replacements or off-grid storage.



Key Features

Business Applications

Lead-Acid Battery Replacement	Advanced technology for lead-acid replacement.
UPS	Compatible with the device which is automatic support of critical loads in event of grid outage.
Energy Storage for Residential or home scale	Flexible system design for various ESS application.
Other Applications	Telecom, ESS, UPS

Functions & Safety

Battery technology	The next generation Li-Polymer technology has a cycle life of >8,000 cycles.
System Management	Integrated with Kokam's proprietary BMS which ensures a safe operation of the system compact, 4.8~12.4kWh solution, which utilizes high energy density battery.
High performance	Can be continuously charged / discharged @ 100A, Max 150A(10sec) power.
Flexible communication	Utilize Modbus / CAN communication protocols to communicate with the upper device.
UI	Equipped with a LED which allows the users to be aware of the state of charge all times.
safety	- Equipped with temperature and voltage sensors. - Safety mechanisms; circuit breakers, magnetic contactor and fuse. - Low voltage protection, self charge / discharge preventive functionalities.
Other Applications	Compatible to 19" Rack system.



Applications

- Lead acid battery replacement
- Off grid energy storage
- UPS (Uninterruptible power supply)

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Technical Specifications

Kokam Battery Pack_13S					
Model	KBP4810	KBP4815	KBP4820	KBP4824	UNIT
Battery Capacity	100	150	200	240	Ah
Nominal System Voltage	48.1				VDC
System voltage Range	39.0 ~ 54.6				VDC
Max Continuous Charge/Discharge Current	100				A
Peack Discharge Current @ 23± 3℃	150				A
Weight	Approx. 60	Approx. 73	Approx. 88	Approx. 100	kg
Dimension (W*H*D)	440 * 266 * 685				mm
Cycle Life (DOD 80% @ 23± 3℃)	7,000				Cycles
Operating Temperature	0~45				℃
IP Class	IP 20				
Communication	CAN, RS485, RS232*				
Protection Function	Over Voltage / Under Voltage / Over Current / Over Temperature / Under Temperature Protection				
Short Circuit Protection	200A				
DC Power for Operation	External(24VDC) and/or Internal Power				
Display	5 LED Indicators				

Technical Specifications

Kokam Battery Pack_14S					
Model	KBP4810	KBP4815	KBP4820	KBP4824	UNIT
Battery Capacity	100	150	200	240	Ah
Nominal System Voltage	51.8				VDC
System voltage Range	42.0 ~ 58.8				VDC
Max Continuous Charge/Discharge Current	100				A
Peack Discharge Current @ 23± 3℃	150				A
Weight	Approx. 60	Approx. 76	Approx. 91	Approx. 103	kg
Dimension (W*H*D)	440 * 266 * 685				mm
Cycle Life (DOD 80% @ 23± 3℃)	7,000				Cycles
Operating Temperature	0~45				℃
IP Class	IP 20				
Communication	CAN, RS485, RS232*				
Protection Function	Over Voltage / Under Voltage / Over Current / Over Temperature / Under Temperature Protection				
Short Circuit Protection	200A				
DC Power for Operation	External(24VDC) and/or Internal Power				
Display	5 LED Indicators				

