

# JK SMART ACTIVE BMS

Technical Index	Product Specifications													
	BD4A17S4P	BD4A20S4P	BD4A24S4P	BD6A17S6P	BD6A20S6P	BD6A24S6P	BD6A17S8P	BD6A20S8P	BD6A24S8P	BD6A20S10P	BD6A24S10P	BD6A20S12P	BD6A24S12P	
Number of Battery Strings(Li-ion)	7S~17S	7S~20S	7S~24S	7S~17S	7S~20S	7S~24S	7S~17S	7S~20S	7S~24S	7S~20S	7S~24S	7S~20S	7S~24S	
Number of Battery Strings(Lifepo4)	8S~17S	8S~20S	8S~24S	8S~17S	8S~20S	8S~24S	8S~17S	8S~20S	8S~24S	8S~20S	8S~24S	8S~20S	8S~24S	
Number of Battery Strings(LTO)	12S~17S	12S~20S	12S~24S	12S~17S	12S~20S	12S~24S	12S~17S	12S~20S	12S~24S	12S~20S	12S~24S	12S~20S	12S~24S	
Balance Method	Active Balance(Full State On)													
Balance Current	0.4A	0.4A	0.4A	0.6A	0.6A	0.6A	0.6A	0.6A	0.6A	0.6A	0.6A	0.6A	0.6A	
Conductive Resistance in Main Circuit	2.8mΩ	2.8mΩ	2.8mΩ	1.53mΩ	1.53mΩ	1.53mΩ	1.2mΩ	1.2mΩ	1.2mΩ	1mΩ	1mΩ	0.65mΩ	0.65mΩ	
Continuous Discharge Current	40A	40A	40A	60A	60A	60A	80A	80A	80A	100A	100A	120A	120A	
Continuous Charge Current	40A	40A	40A	60A	60A	60A	80A	80A	80A	100A	100A	120A	120A	
Maximum Discharge Current(MAX 2min)	60A	60A	60A	100A	100A	100A	150A	150A	150A	200A	200A	250A	250A	
Over Charge Protection Current(ADJ)	10~40A	10~40A	10~40A	10~60A	10~60A	10~60A	10~80A	10~80A	10~80A	10~100A	10~100A	10~120A	10~120A	
Other Interfaces (Default)	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	
Other Interfaces (Customized)	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	
Size/mm	110*73*18mm		116*83*18	133*81*18mm						162*102*20mm				
Wiring Output	Common Port													
Technical Index	Product Specifications													
	BD6A20S15P	BD6A24S15P	B1A20S15P	B1A24S15P	B2A24S15P	B2A20S20P	B2A24S20P	BD4A8S4P	B1A8S10P	B1A8S20P	B2A8S20P	B2A25SRP	B5A25S60P	
Number of Battery Strings(Li-ion)	7S~20S	7S~24S	7S~20S	7S~24S	7S~24S	7S~20S	7S~24S	3S~8S	3S~8S	3S~8S	3S~8S	8S~25S	8S~25S	
Number of Battery Strings(Lifepo4)	8S~20S	8S~24S	8S~20S	8S~24S	8S~24S	8S~20S	8S~24S	4S~8S	4S~8S	4S~8S	4S~8S	8S~25S	8S~25S	
Number of Battery Strings(LTO)	12S~20S	12S~24S	12S~20S	12S~24S	12S~24S	12S~20S	12S~24S	6S~8S	6S~8S	6S~8S	6S~8S	12S~25S	12S~25S	
Balance Method	Active Balance(Full State On)													
Balance Current	0.6A	0.6A	1A	2A	2A	2A	0.4A	1A	1A	2A	2A	2A	5A	
Conductive Resistance in Main Circuit	0.65mΩ	0.65mΩ	0.65mΩ	0.47mΩ	0.47mΩ	0.47mΩ	2.8mΩ	0.3mΩ	0.3mΩ	0.3mΩ	/	/	/	
Continuous Discharge Current	150A	150A	150A	150A	200A	200A	40A	100A	200A	200A	1000A	1000A	500A	
Continuous Charge Current	150A	150A	150A	150A	200A	200A	40A	100A	200A	200A	1000A	1000A	500A	
Maximum Discharge Current(MAX 2min)	300A	300A	300A	300A	350A	350A	60A	200A	350A	350A	/	/	/	
Over Charge Protection Current(ADJ)	10~150A	10~150A	10~150A	10~150A	10~200A	10~200A	10~40A	10~100A	10~200A	10~200A	10~1000A	10~1000A	10~600A	
Other Interfaces (Default)	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485	RS485 CANBUS	RS485 CANBUS	RS485 CANBUS	
Other Interfaces (Customized)	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	CANBUS /HEAT	/	
Size/mm	162*102*20mm							110*73*18	153*136*18mm				189*94*24	234*134*32
Wiring Output	Common Port											Split Port		
Single Cell Voltage Range	1-5V													
Voltage Acquisition Accuracy	±5mV													
Over Charge Protection Voltage	1.2-4.35V Adjustable													
Over Charge Release Voltage	1.2-4.35V Adjustable													
Over Current Detect Delay	2~120S Adjustable													
Over Discharge Protection Voltage	1.2-4.35V Adjustable													
Over Discharge Release Voltage	1.2-4.35V Adjustable													
Quantity of Temperature Detection	3Pcs													
Temp Protection	Yes													
Short Circuit protection	Yes													
Coulomb Counter	Yes													
Bluetooth Function	Support for Android / IOS phone													