

JK BMS Parameter Specification (EVE 314Ah 0.5C)

Name	Default	Description
Cell Count	16	Number of cells
Battery Capacity (AH)	314	Battery capacity in ampere-hours
Balance Trig. Volt. (V)	0.01	Voltage threshold for balancing
Cell OVP (V)	3.65	Overvoltage protection limit per cell
Cell OVPR (V)	3.4	Voltage at which overvoltage protection recovers
Cell UVP (V)	2.6	Undervoltage protection limit per cell
Cell UVPR (V)	2.65	Voltage at which undervoltage protection recovers
SOC-100% Volt. (V)	3.41	Voltage corresponding to 100% state of charge Must be 0.04V lower than Vol. Cell RCV to reset SOC
SOC-0% Volt. (V)	2.64	Voltage corresponding to 0% state of charge
Power Off Vol. (V)	2.5	Voltage at which the system powers off
Vol. Cell RCV (V)	3.45	Recommended charge voltage
Vol. Cell RFV (V)	3.4	Recommended floating charge voltage
Vol. Smart Sleep (V)	3.35	Voltage threshold for smart sleep mode
Max Balance Cur. (A)	2.0	Maximum current used for balancing
Continued Charge Curr. (A)	150.0	Maximum continuous charging current
Charge OCP Delay (S)	3	Delay before charge overcurrent protection activates
Charge OCPR Time (S)	60	Recovery time after charge overcurrent event
Continued Discharge Curr. (A)	150.0	Maximum continuous discharge current
Discharge OCP Delay (S)	300	Delay before discharge overcurrent protection activates
Discharge OCPR Time (S)	70	Recovery time after discharge overcurrent event
Charge OTP (°C)	60.0	Overtemperature protection threshold for charging
Charge OTPR (°C)	55.0	Temperature at which charge overtemperature protection recovers
Discharge OTP (°C)	60.0	Overtemperature protection threshold for discharging
Discharge OTPR (°C)	55.0	Temperature at which discharge overtemperature protection recovers
Charge UTP (°C)	0.0	Undertemperature protection threshold for charging
Data Stored Period (S)	3600	Interval for data storage
RCV Time (H)	5.0	RCV storage time
RFV Time (H)	5.0	RFV storage time
UART1 Protocol No.	000	4G-GPS Remote Module Common Protocol V4.2
UART2 Protocol No.	001	JK BMS RS485 Modbus V1.0
CAN Protocol No.	004	Victron CANbus BMS Protocol 20170717
LCD Buzzer Trigger	09	Condition for LCD buzzer activation
LCD Buzzer Trigger Val	100	Value at which LCD buzzer triggers
LCD Buzzer Release Val	95	Value at which LCD buzzer stops
DRY 1 Trigger	08	Condition for DRY 1 activation
DRY 1 Trigger Val	60	Value at which DRY 1 triggers
DRY 1 Release Val	50	Value at which DRY 1 releases

DRY 2 Trigger	00	Condition for DRY 2 activation
DRY 2 Trigger Val	0	Value at which DRY 2 triggers
DRY 2 Release Val	0	Value at which DRY 2 releases
Calibrating Volt. (V)	52.669	Voltage calibration value
Calibrating Curr. (A)	0.0	Current calibration value
User Private Data	JK-BMS	Custom user data field
User Data 2	JK-BMS	Additional custom user data field
Device Addr.	1	Address of the device
Port Name	COM24	Communication port name
Comm. Status	Connected	Status of communication link

The screenshot shows the 'Settings' tab of the JK-BMS-MONITOR 2.8.0 software. The interface is divided into two main sections: 'Basic Settings' and 'Advance Settings'. Each setting includes a numerical value and a 'Send' button. At the top, there are tabs for 'Realtime', 'Settings', 'Control', 'Logging', 'Detail Logs', 'About', and 'Parallel'. Below the tabs are buttons for 'Li-Ion', 'LiFePO4', 'Lto', and 'Modify PWD'. At the bottom, there are fields for 'Device Id: 1', 'Port Name: COM24', and 'Comm. Status: Connected'.

Section	Parameter	Value
Basic Settings	Cell Count	16
	Battery Capacity (AH)	280
	Balance Trig. Volt. (V)	0.01
Advance Settings	Start Balance Volt. (V)	3.4
	Max Balance Cur. (A)	2.0
	Cell OVP (V)	3.65
	Vol. Cell RCV (V)	3.45
	SOC-100% Volt. (V)	3.44
	Cell OVPR (V)	3.4
	Cell UVPR (V)	2.65
	SOC-0% Volt. (V)	2.64
	Cell UVP (V)	2.6
	Power Off Vol. (V)	2.5
	Vol. Cell RFV (V)	3.4
	Charge UTPR (°C)	5.0
	MOS OTP (°C)	80.0
	MOS OTR (°C)	70.0
SCP Delay (µs)	1500	
SCPR Time (S)	85	
Device Addr.	1	
Data Stored Period (S)	3600	
RCV Time (H)	5.0	
RFV Time (H)	5.0	
User Private Data	JK-BMS	
User Data 2	JK-BMS	

This screenshot shows the 'Con. Wire Res. Settings' section of the JK-BMS-MONITOR 2.8.0 software. It continues from the 'Advance Settings' section above. The settings are organized into two columns, each with a 'Send' button. The bottom of the interface shows 'Device Id: 1', 'Port Name: COM24', and 'Comm. Status: Connected'.

Parameter	Value
Cell UVP (V)	2.6
Power Off Vol. (V)	2.5
Vol. Cell RFV (V)	3.4
Vol. Smart Sleep (V)	3.35
Continued Charge Curr. (A)	145.0
Charge OCP Delay (S)	3
Charge OCPR Time (S)	60
Continued Discharge Curr. (A)	200.0
Discharge OCP Delay (S)	300
Discharge OCPR Time (S)	70
Charge OTP (°C)	60.0
Charge OTR (°C)	55.0
Discharge OTP (°C)	60.0
Discharge OTR (°C)	55.0
Charge UTP (°C)	0.0
RFV Time (H)	5.0
User Private Data	JK-BMS
User Data 2	JK-BMS
UART1 Protocol No.	000 - 4G-GPS Remote module Common protocol V4.2
UART2 Protocol No.	001 - JK-BMS RS485 Modbus V1.0
CAN Protocol No.	004 - Victron_CANbus_BMS_protocol_20170717
LCD Buzzer Trigger	09 - MOSFET Over Temperature
LCD Buzzer Trigger Val.	100
LCD Buzzer Release Val.	95
DRY 1 Trigger	08 - Battery Over Temperature
DRY 1 Trigger Val.	60
DRY 1 Release Val.	50
DRY 2 Trigger	00 - OFF
DRY 2 Trigger Val.	0
DRY 2 Release Val.	0