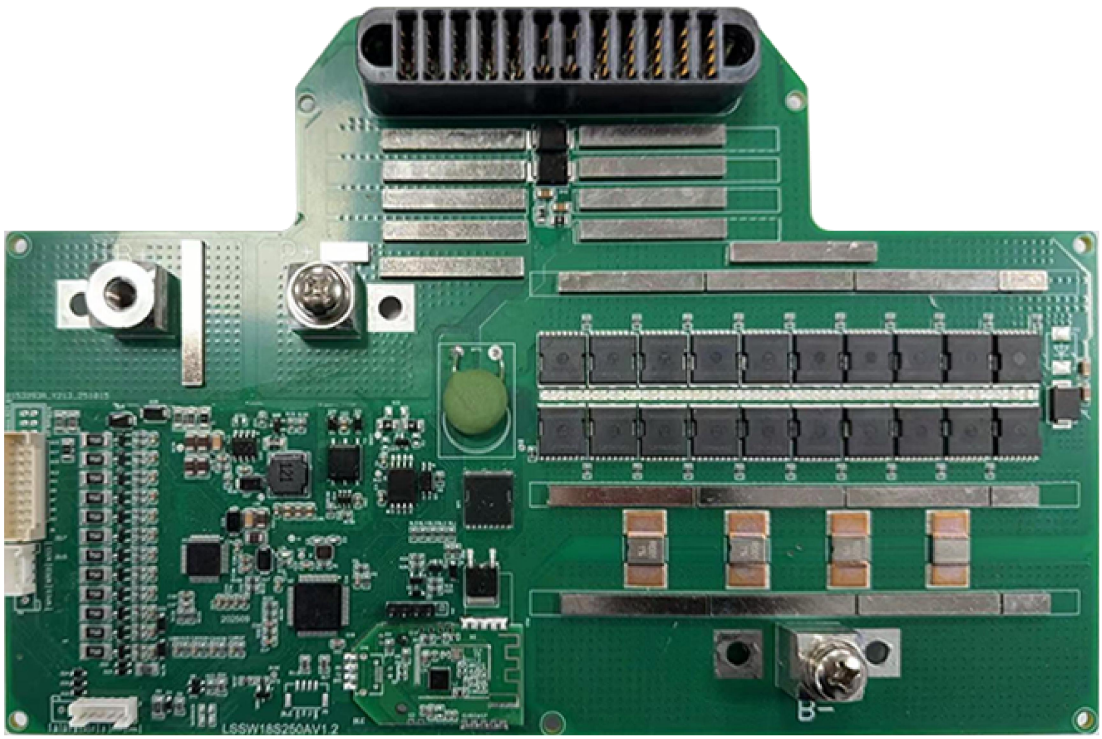
AYAA TECHNOLOGY CO.,LTD
BMS Specifications

Model: AY-L24S300A-M116 (LI-18S250A) Ver: A

Test item（Test at normal temperature 25±2℃ ）		Criterion
Communication Interface [Protocol:CAN(UAVCAN),RS485(Upper Software:SWVision30SGKV1.0)]		RS485&CAN&BLE
Voltage	Charging voltage	DC: 75.6V CC/CV （4.2v/Cell）18S
Supply Current	Maximal continuous charging current	250A
	Maximal continuous discharging current	250A
	Peak current / Peak Duration	320A / 1S~2S
	Current consume in normal operation	≤15mA
	Current consume in sleep operation	≤100uA
Balanced	Balance voltage for single cell	4.0±0.05V
	Balance current for single cell	70±10mA
Over-Charge Protection (single cell)	Over charge detection voltage	4.25±0.05V(Adjustable)
	Over charge detection delay time	1.0S(Adjustable)
	Over charge release voltage	4.15±0.05V(Adjustable)
Charge Over Current Protection	Charge over current detection current	100A±3%(Adjustable)
	Detection delay time	1.0S(Adjustable)
	Release conditions	Removing the charger release
SOC	accuracy(It takes a charge-discharge cycle to achieve the accuracy requirement after initial power-on.)	< 5%
Temperature	Low temp. protection when charge	0℃(Adjustable)
	Release temp. (low temp. protection)	10℃(Adjustable)
	Over temp. protection when charge	65℃(Adjustable)
	Release temp. (over temp. protection)	55℃(Adjustable)
	Mosfet Over temp. protection	100℃(Adjustable)
	Release temp. (over temp. protection)	70℃(Adjustable)
	Operating Temperature Range	-40～+85℃
	Storage Temperature Range	-40～+125℃

SIZE: L230 * W152 * T30 mm

NTC: 10KΩ Temperature switch: / ℃ (the batteries temperature) Weak current switch: Yes Activation Method: /



Prepared: Zjh 2026-01-08 Checked: Approved: