



AYAA TECHNOLOGY CO.,LTD

PCM Specifications

Model: PCM-16S100-F83

Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 55.2V~67.2V CC/CV (3.45V~4.2V/Cell) 16s
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤30uA
	Maximal continuous charging current	30-100A
	Maximal continuous discharging current	30-100A
	Balance current for single cell	32-42mA
Over-charge Protection (single cell)	Balance voltage for single cell	3.6-4.2V
	Over charge detection voltage	3.65-4.35V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.05-4.15V
Over discharge protection (single cell)	Over discharge detection voltage	2.4-3.0V
	Over discharge detection delay time	10—200mS
	Over discharge release voltage	2.5-3.2V
Current protection (Battery pack)	Discharge Over current detection current	90-300A
	Detection delay time	5ms—20ms
	Release condition	Cut load,Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200-600us
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤65mΩ
Temperature	Operating Temperature Range	-40~+85℃
	Storage Temperature Range	-40~+125℃

SIZE: L240 *W120 *T15 mm

NTC: / Temperature switch: 65℃/90℃ Weak current switch: / Activation Method:/

