



13 Cell 48V 20A Battery Management System for lithium 18650 battery size

Model: LZ-7052 / 180859

Description:

LZ-7052 This board can produce 13 series balanced charge and discharge sub-ports according to requirements or Same-port protection board!

Size: 70x52x10mm.

Electrical parameters:

	Description	Specification	Unit
Discharge protection	Rated discharge current	≤ 20	A
	Protection discharge current	75 ± 5	A
Charge protection	Charge voltage	55	V
	Rated charge current	≤ 15	A
Overcharge protection	Overcharge protection voltage	55.25 ± 0.025	V
	Overcharge protection delay	1.0 ± 0.5	S
	Overcharge removal voltage	54 ± 0.05	V
Over-discharge protection	Over-discharge detection voltage	31.2 ± 0.1	V
	Over-discharge detection delay	0.2 ± 0.05	S
	Over-discharge disconnect voltage	39.0 ± 0.1	V
Over current protection	Disconnect load		
Short-circuit protection	Short-circuit protection condition	Short circuit in	
	Short-circuit detection delay	200	μ S
	Short-circuit protection removal condition	Disconnect load	
Internal resistance	Major loop break over internal resistance	≤ 40	m Ω
Internal power consumption	Working current	≤ 60	μ A
	Sleeping current	≤ 10	μ A
Operating temperature	temperature range	$-30 \sim 50$	$^{\circ}$ C

