



الحمادي للإلكترونيات
ALHAMMADI FOR ELECTRONICS

4 strings of lithium battery protection board, suitable for nominal voltage 14.4V lithium battery pack, 14.8V lithium battery pack, 16.8V lithium battery pack. With automatic activation function, the protection will be automatically canceled after the protection condition is restored, and no charger is required to activate it, making it more convenient to use.

Module Parameters:

Module name: 4 strings of lithium battery protection board

Module nature: polymer lithium battery protection board

Overcharge detection voltage: $4.25 \pm 0.025V$

Overcharge release voltage: $4.15 \pm 0.05V$

Over-discharge detection voltage: $2.50 \pm 0.08V$

Over-discharge release voltage: $3.00 \pm 0.1V$

Overcurrent current: 20-30A

Working current: 15A (natural heat dissipation 10A, plus heat sink 15A, maximum instantaneous current 30A).

Cancellation condition: Protection condition is automatically restored without activation (optional charger activation).

Main functions: overcharge protection function, overdischarge protection function, short circuit protection function, overcurrent protection.

Operating temperature: -40~+85 degrees (please strengthen heat dissipation when the ambient temperature is too high).

Wiring method: soldering output

模块尺寸: 50mm*22mm*4mm

Module unit weight: grams

Applications:

This protection board can be used as four strings of polymer lithium battery packs with nominal voltages of 14.4V, 14.8V and 16.8V, and four strings of 18650 lithium battery packs for overcharge, overdischarge, short circuit protection, etc. The function does not need to be activated, and it is more convenient to use in power applications with high instantaneous currents, inverter applications to avoid false triggering.