

产 品 规 格 书

48V 13cell 40A lithium battery protective board with temperature control for electric car size: 120*60*15MM

样品型号: 12060-13S-40A

样品编号: YHZX20201024006

物料编码:

出样日期: 2020-10-24

送样 批量

批准	审核	拟定

综合判定:			
客户确认		日期	

变更履历表

版本	日期	变更前内容	变更后内容	变更原因
A	2020-10-24			

	样品承认书	型号: 12060-13S-40A	编号: YHZX20201024006
	版本: A	页码: 3 共 7 页	日期: 2020-10-24

1. Protect board electrical performance parameters

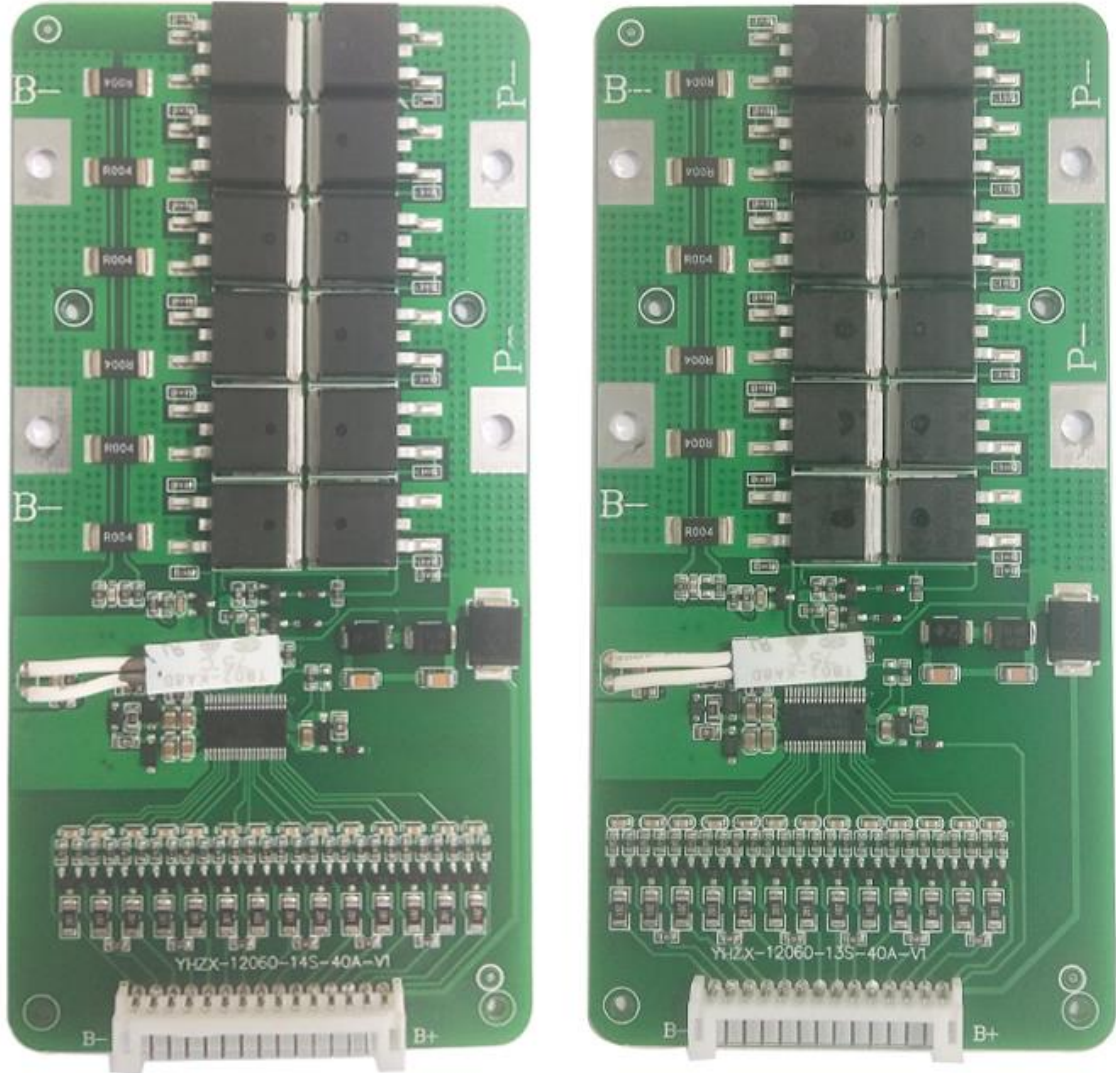
注: 以下测试环境均为 25℃, 相对湿度≤90%所测出的保护板范围值, 非常温下可能有所不同, 该电路的工作温度范围为-40--85℃, IC 具体测试条件及测试电路请参照保护 IC 之规格书说明。

Note: The following test environment is 25 °C, relative humidity ≤ 90% of the measured protection plate range value, very temperature may be different, the circuit operating temperature range is -40--85 °C, IC specific test conditions and test circuit please refer to the protection IC specifications.

检测项目	Min	Typ	Max	Unit
Input voltage (between B+ and B-)		54.60		V
Overcharge protection voltage	4.225	4.25	4.275	V
Overcharge discharge voltage	4.10	4.15	4.20	V
Overcharge protection delay time		1000		ms
Overdischarge protection voltage	2.65	2.70	2.75	V
Overdischarge release voltage	2.90	3.00	3.10	V
Overdischarge protection delay time		1000		ms
Overcurrent protection	100	120	140	A
Continuous current		40		
Overcurrent protection delay time		1000		ms
Self-consumption current		10	25	uA
Protection plate internal resistance		15	20	mΩ
Short-circuit protection	Disconnect the load			
Short-circuit protected delay time		250		us
Maximum operating temperature range	-40	30	85	℃

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3. Physical obverse:



SIZE: 120mm*60mm*10mm

样品承认书

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4. PCM Craft

Processing technology ROHS REACH HF halogen-free Material FR4 Material conforms to UL, 94V0 fire rating

PCB copper film internal resistance \leq 15m Ω Copper thickness: 1OZ Through the hole plug oil

Solder resistance oil Green oil Silk screen oil White Board layer 2 layers of board

Solder plate treatment Solder Coating Gold finger gold plating thickness Au \geq

Goldfinger High temperature glue Blue glue

Forming mode Computer milling + V-cut Die punching

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5. Product application range

2.1 ternary liquid lithium-ion rechargeable battery

2.2 polymer lithium-ion rechargeable battery