

Specification of

Internal Smart Charge Module (1.2A) for 7.4V Li-ion Rechargeable Battery Pack (10-14VDC Input)

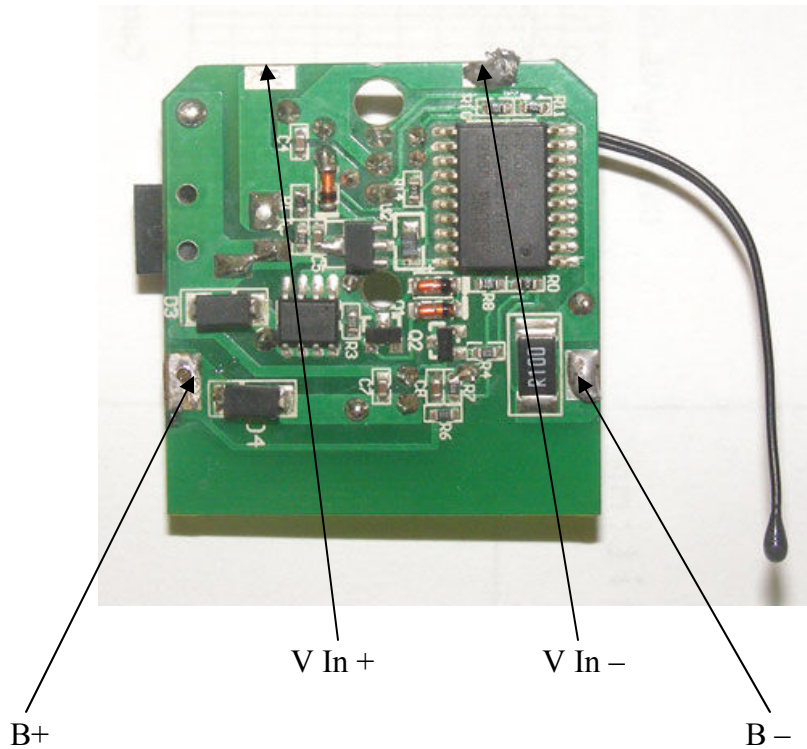


AA Portable Power Corp (<http://www.batteryspace.com>)

Technical Parameter:

Charge Management Module Specifications For 7.4V Li-ion/Li-po Battery Pack			
Item	Specification		Remark
Battery pack	7.4V (2S)		Li-ion
Input power	DC: 9-12V		Power supply
Input current	$\geq 1A$		
Charging Voltage	$8.4\pm 0.1V$		4.2V / 1Cell
Charging Method	CC/CV		Constant-current and - Voltage with Limited current
Standard Charging Current	Start Charging	$0.24A\pm 0.05A$	0.2C/10 minute
	Firmware running	$1.2A\pm 0.15A$	
Current consumption	Charge Management Circuit	$\leq 2mA$	Power supply
Standard Charging Time	Hour		Battery Capacity÷Charging Current×1.5
Max.Charging Time protection			Battery Capacity
Temperature protection	Charge	$65\pm 3^{\circ}C$	
	Discharge	$65\pm 3^{\circ}C$	
Low voltage alarm	$\leq 6V$		3.0V / 1Cell
LED condition	Charge	CH/LOW on	CH/LOW LED
	Charge full	CH/LOW off	CH/LOW LED
	Fuel gauge		
	Abnormity	Flash	CH/LOW LED
	Short circuit	Flash	CH/LOW LED
Operating temperature	$-40\sim +85^{\circ}C$		
Storage temperature	$-40\sim +125^{\circ}C$		
Outline dimension	40*36*18mm		

Port Design:



Input: (Optional for either solder or direct plug)

Please select either one below

-By solder method: V In + = Input Power Positive, V In - = Input Power Negative

- By plug method: Barrel female socket: 1.4mm I.D x 3.5mm O.D , Must connect with barrel male socket

Output:

B + = "Battery 1" positive
B - = "Battery 2" negative



LED Indicator

TS = Temperature sensor = CONNECTED