

Charge and Discharge Management Board

UPS POWER MANAGEMENT CONTROL BOARD FOR For 6S Li-ion/Li-Polymer Battery Packs

6S Li-ion and Li-Polymer battery pack UPS, With intelligent MCU control, with 19V DC-IN and 19V DC-OUT;
Also with 5V 2.1A USB output

Manufacturer Part Number: HCX-H284V1 (YDDY-H284V1-004)

This Board is specially designed for Li-ion/Li-Polymer Battery Packs, Compatible with 6S battery Packs, with intelligent MCU control, with Gas/Fuel gauge, with DC 19V input, with 5V 2.1A USB output, with DC output 19V @ 3.5A (Max)

This board is the mother board for 4S battery packs portable UPS, can offer Uninterrupted Power Supply, giving customers the powers all the time.

* Input: 19V 4A (Max)

* USB Output: 5V 2.1A

* DC Output: 19V 3.5A (Max)

Item	Contents		Criteria(Adjustable)
1	Model	HCX-H284V1 (YDDY-H284V1-004)	UPS Power Management Board (6S)
2	Battery Type	Compatible with Li-ion/Li-Polymer	
3	Battery Packs	6S Battery Packs	
4	DC Input	19V	
5	USB Output	5V 2.1A	
6	DC Output	19V 3.5A (max)	
7	Fuel/Gas Gauge	3 LEDs=one for discharge indicator,one for fully charged indicator,one for charging indicator(with different colors,check the picture above); During discharging,the "Discharge Blue LED" will be on; When the Power is low,the "Charge Red LED" will start blinking; During charging,the" charge Red LED" will be on; After fully charged,the "Fully Charged Blue LED" will be on;	
8	Over Charge (per cell)	Overcharge Protection Voltage	4300±50mV
		Overcharge Recovery Voltage	4050±100mV
9	Over Discharge (per cell)	Over Discharge Protection Voltage	2400±100mV
		Over Discharge Recovery Voltage	3000±100mV
10	Resistance and Self-Consumption (per cell)	Inner Resistance	≤100mΩ
		Self-Consumption	≤200uA
11	Size (L*W*H)	L78.7mm*W35mm*H15mm	

LiTech Power Co., Ltd

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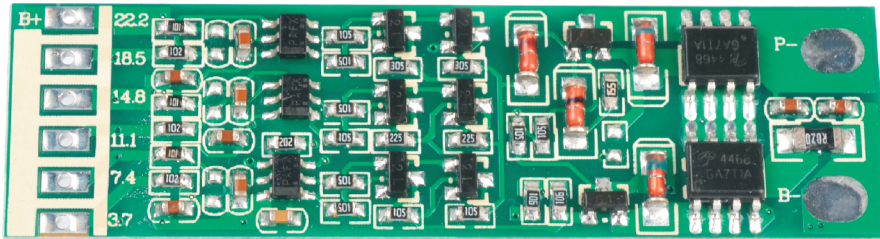
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Specifications and data are subject to change without notice. Contact LiTech Power for latest information.

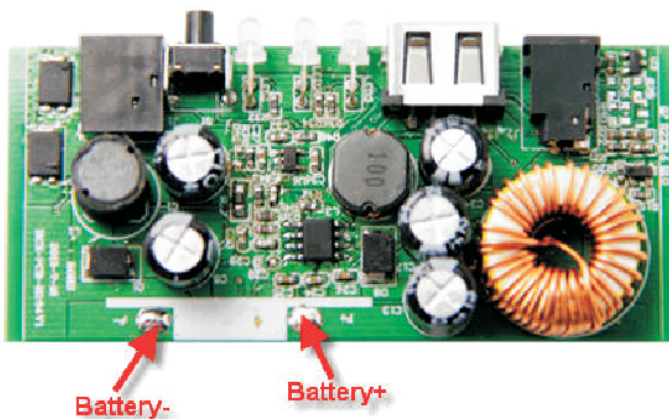
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Connection:

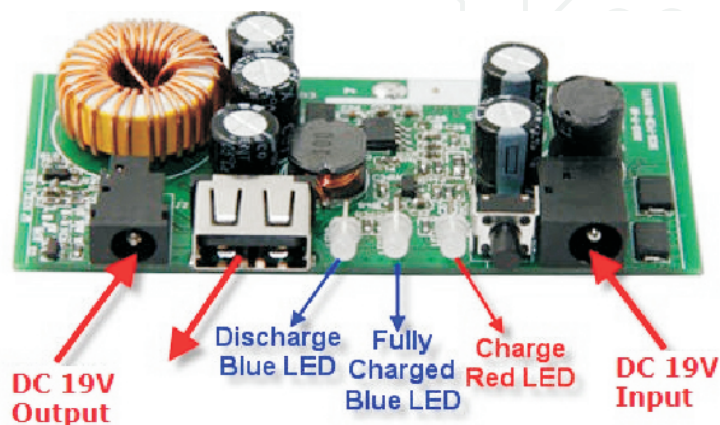
1) Please connect the 6S battery pack to the 6S PCM(HCX-H062V1)



2) Then Please connect the battery packs with PCM to the mother board as below



3) Operation diagram



Note: Characteristics subject to change without notice

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