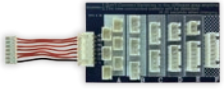
# The Operation Manual for PD606 Charger

# Content

Thanks for purchasing G.T. Power Charger. This is a absolute balance charger with parallel charge way. The biggest character on this charger is displaying clearly charging date, operating simply and usefully and maximum to protect the battery.



## 1. Specification:

1. AC Input：100-240V
2. DC Input：10-18V
3. Support Battery Type：LiPo、LiFe
4. Charge current：0.1-6.0A（The charger can display as a battery meter when the current is set to 0）
5. Charge Power：50W
6. Output Connector：JST-XH2.5（7P）

## 2. Features:

1. Limitless to plug in or pull out the batteries when charging.
2. Operating simply, it will start to charge when it plugs in.
3. It can show the capacity of every battery and every cell. It helps you to know the feature of battery better.
4. The charger supports to connect in the sametime for 6*1S or 3*2S or 2*3S or（4S+2S)or 1*6S battery.

## 3. Warning and Safety Notes:

This Charger is only use with LiPo and LiFe batteries. Please do not charge NiMH, NiCd or any other type of battery.

Never use charger unsupervised. Please turn off the program if it's failure, then check the operation manual.

Place it away from dusty, humid, direct sunlight or shaky area.

Input voltage DC 10-18V and AC 100-240V only.

Charger and battery should place on the surface with strong resistance, prevented flammable and insulator. Never put the charger on the car seat, carpet or something like it. Make sure the charger is far away from

the flammable and explosive objects.

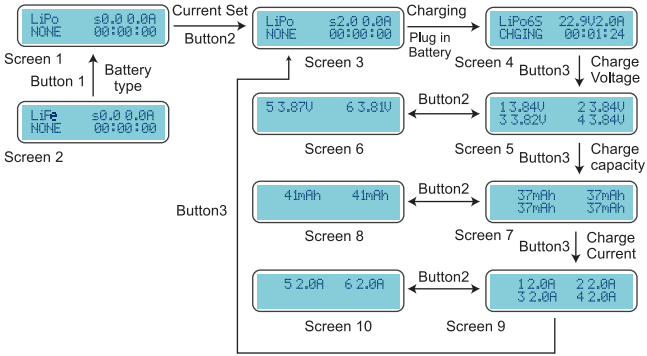
For good ventilation, the cooling vent of charger could not be covered or turned off. Make sure you know your batteries well. It may damage the battery when program set up wrongly. Especially for Lithium battery, over charge may cause fire or explosion.

Do not take the charger apart without professional guidance.

## 4. Button Introduction:

1. LiPo/LiFe Button (Button 1) is to switch the battery type (only switch when it's not charging). Make sure battery type before charging and choose the corresponding battery type to charge.
2. Current Button (Button 2) is to set charge current and flip page. Please set the current before charging or within one minute when it start to charge(current 0.1A increases progressively) , OA-6A-0A circulate.
The page turning function is in the interface of checking batteries parameter, press (Button 2) and it display the parameter of No.5 and No.6 battery.
3. "Screen switch" Button (Button 3) is to switch the parameter of charging status. Screen 1—Screen 4—Screen 6- Screen 8- Screen 1 circulate.

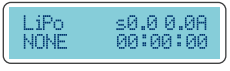
## 5. Operation Flow Chart:



Screen1: LiPo Charge Program Screen
Screen2: LiFe Charge Program Screen
Screen3: Set up charge current Screen
Screen4: Charging display screen
Screen5: Display the voltage of 1-4 cells batteries which could be charged
Screen6: Display the voltage of 5-6 cells batteries which could be charged
Screen7: Display the capacity of 1-4 cells batteries which could be charged and have been charged
Screen8: Display the capacity of 5-6 cells batteries which could be charged and have been charged
Screen9: Display the current of 1-4 cells batteries which could be charged (0 - 6A)
Screen10: Display the current of 5-6 cells batteries which could be charged (0 - 6A)

## 6. Charging Instruction:

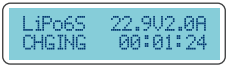
Parallel Charging could charge every battery of cell count individually. Every channel is separate and it use the balance adaptor to charge. This way would protect batteries completely.




Screen 1


Screen 3

For example: Now there are 2 cell counts 3S LiPo batteries should be charged. Power on the charger, press Button 1 and select Screen 1 for LiPo Charge Program, and then press Button 2 to set charge current to 2A like Screen 3. Then connect the adaptor board to charger, plug the battery to the 2 ports in C area of adaptor, and start to charge. The display screen is just like Screen 4.




Screen 4

Press Button 3 to display Screen 5, and press Button 2 to display Screen 6.No.1, No.2 and No.3 display the whole voltage of first cell count of 3S batteries; No.4, No.5 and No.6 display the whole voltage of second cell count of 3S batteries.


Screen 5

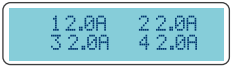

Screen 6

Press Button 3 to display Screen 7, and press Button 2 to display Screen 8. No.1, NO.2 and No.3 display the total charging capacity of first cell count of 3S batteries; No.4, No.5 and No.6 display the charging capacity of second cell count of 3S batteries.


Screen 7


Screen 8

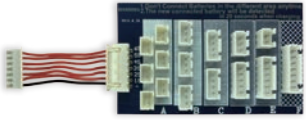
Press Button 3 to display Screen 9, and press Button 2 to display Screen 10. No.1, No.2 and No.3 display the total charging current of first cell count of 3S batteries, No.4, No.5 and No.6 display the total charging current of second cell count of 3S batteries.




Screen 9


Screen 10

## 7. Adaptor instruction:



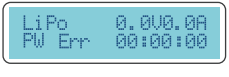

1、Adaptor, output port is JST-XH2.5 (7P), support 6*1S or 3*2S or 2*3Sor1*6S batteries. It means that the charger could charge 6pcs of 1S batteries or 3pcs of 2S batteries or 2pcs of 3S batteries or 1pcs of 6S batteries in same time.

2、There are A, B, C, D, E, F total 6 areas on adaptor board. Please pay attention that do not plug the batteries in different area in any case. In other words, the batteries could not be plugged in any 2 areas in the same time.

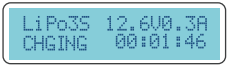
For example, you should not plug 2S batteries in B area and plug 3S batteries in C area. If the batteries are plugged in 2 areas in the same time, it may damage batteries and charger, what's more, a fire and injury may occur.
3、It would display 1-6S batteries information in turn when batteries plug to the adaptor board which close to ABCDEF.
4、There are 2 charging modes when plug in several 1S or 2S battery counts to adaptor in different way.If plug into the adaptor close each other, the batteries would be charged in same time; if not, it would charge 1 to 6 cell batteries in turn. For example, if there are 2 counts of 2S batteries need to be charged, when you plug them into No.1-No.2 or No.2-No.3 port, the charger would charge these 2 counts of 2S batteries in the same time， when you plug them into No.1 and No.3 port, the charger would charge the batteries which plug into No.1 port firstly, then charge the batteries which plug into No.2 port after fully charging the prior one.
5、If plug in a new battery or unplug the batteries when charging, charger will internal detect around 20seconds. For example, if you are charging a 2S battery, and then plug into a 2S battery in this time. The new 2S battery will be internal detected around 20 seconds. Charger will start to charge after detecting if it's no problem.
6、When charging, you may plug into a no power battery or unplug a full charged battery in the same area in any time.

## 8. Warning Status Instruction:

1、Input wrong voltage: (18V < input voltage < 10V) would display "PW ERR" in bottom left on Screen1 (refer as below picture).




2、Charging Status Indicator: It would display "CHGING" in the bottom left on Screen 1.




If one cell of battery is full charged, it would display on Screen1 and Screen 4 circularly. The interval time is 1 second.

3、Finish charge Indicator: “Full” would be displayed in bottom left on screen 1 and the current would be display 0. It will be displayed in screen 1 and screen 4 circularly and interval time is 1 second.


## 9. Warranty and Service:

We warrant this product for a period of one year (12 months) from the date of purchase. This guarantee applies only to material or operational malfunctions. During that period, we will replace or repair the product without any service fee. You will be required to present proof of purchase (invoice or receipt). This warranty does not cover the damage due to wear, overloading, improper handing or using of incorrect accessories.

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