

TIPS for using ISDT chargers

In order to further guarantee the safety and prolong the lifespan of our chargers, we have some tips for customers when choosing the power supply and using the chargers. Hope you can kindly get the information disseminated among your clients. We believe it will be much helpful to reduce the failure rate.

1. We strongly recommend using Constant Voltage power supply without Constant Current function. Because Constant Current is apt to cause short circuit and get the charger damaged. There are quite a lot of after-sales issues raised due to the CC power supply.

2. We strongly recommend a power supply of solid brand with available power 10% at least higher than the max power of the charge.

Take Q6 PRO with 300W max power for example. The power supply power had better not less than 330W.

Meanwhile, the **OPTIMUM** voltage is 20-24V falling the middle section of the supportive range 8-32V. We don't quite suggest a power supply with voltage of the critical value since sometimes the power supply's voltage is not stable.

The rest models such as T/D serials and Q6 LITE can go in the same manner.

3. If the power of the power supply that you have on hand is lower than the max power of the charger, please set the max input power in your charger according to the actual power of the power supply.

Operation: Long press the speed-shuttle-key and enter the system setting then you will find the max input power setting.

There is a special case that needs your attention. If you use a power supply with 12V and 30A(total power $12V \times 30A = 360W$) on Q6 PRO, the max input current of this charger is 15A, so the available power from the power supply to the charger is $12V \times 15A = 180W$. In this case, you also need to send the power limitation in your charger.

4. We strongly recommend industrial and universal power supply rather than dedicated power supply. The dedicated power supply such as laptop adapter or other consumer devices usually has special designs for protection that is not suitable for RC charger. For example, the laptop computer power supply has dormancy function and will be easy to cause the disorder of the circuit and the unexpected breakdown of the charger.

5. Protection diodes are included in our charger's design. If mistaken power supply is used, normally the protection diodes would be broken, but the charger is still working in normal. Customers can continue to use the charger but without high-voltage protection. However, please make sure that the correct power supply should be used in the future to guarantee the life span of the charger.

Sometimes, misused power supply might lead to the scrape of the charger main board. ISDT will NOT be responsible for the repair service due to customer's misuse of the charger and the power supply.

6. When using a battery to be the power supply, in order to better protect the battery not to be fully discharged, we suggest customer set the limitation of the input voltage.

Operation: Long press the speed-shuttle-key and enter the system setting then you will find the max input voltage setting.

7. When the batteries are charged through a parallel board, please ensure the voltage of each cell to be in same level, otherwise, the charger main board and parallel board is possible to get damaged. The error of each cell should be within 0.02V.

8. ISDT products always use fireproofing materials, trying the best to prevent the explosion and the fire in any abnormal situation. However, we can't ensure the endurance of power supply and batteries.

If you have any problem about the power supply or ISDT charger, please feel free to contact at hi@isdt.co.