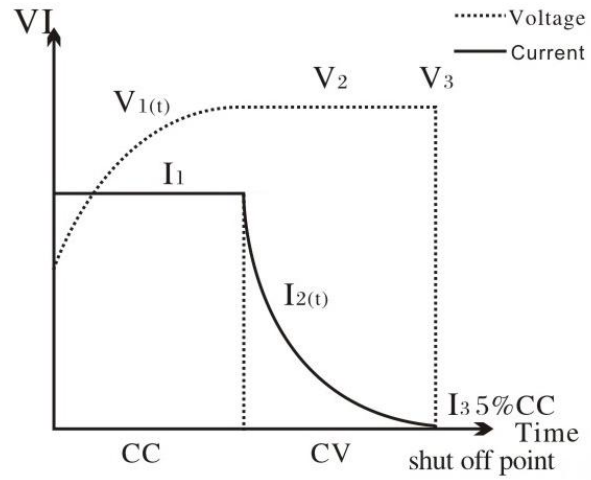


E.Lithium battery charging curve



ULP1500C Model Charger Manual

Suitable for lithium battery



Please read this manual carefully before usage

A. Features.

1. The charger is adapted intelligent heat dissipation system. The fans start to work when the inside temperature is above 35°C+10% . If the temperature inside the machine is lower than 35 ° C, the fan will automatically turn off.
2. Reverse polarity, over current, over voltage, short-circuit, and Prevent current from flowing backwards protections.
3. The charger has an overheating protection function. The internal temperature reaches 75°C (rising state). The whole machine is automatically turned off. It will be in standby or working in a high temperature environment. There will be repeated pauses for 5-10 seconds, and then resume work. In a few minutes, this will extend the charging time. At this time, external auxiliary heat dissipation measures can be taken. When the temperature drops to 40°C, the charging will be restarted automatically

B. Operations.

1. Please confirm whether the battery type and specification are consistent with the battery being , and check whether the local AC voltage is consistent with the charger input voltage.
2. Generally, connect the battery according to the positive and negative poles first, and then connect the AC input plug of the charger. After the battery is connected, the charger indicator turns red and the other green. If the LED indicators are all red after connecting the battery, the charger is already in the charging state.
3. When the charging status indicator LED2 turns green, it means that the battery is fully charged and the charger has stopped outputting. You can unplug the input and output connectors.

Note: If the rechargeable battery is in the over-discharge and under-voltage state, you need to connect the AC output activation relay first, and then connect the battery to charge

C. Notices.

1. This charger is not with waterproof and dust-proof function. Please only store and use the charger in dry and no dust environment.
2. Please do not store and use under direct heat/radiation or near the source of heat/radiation.
3. Use in damp, dusty, or non-ventilated environment may cause damage to the charger and battery
4. Do not block the fan/cooling channels of charger and keep 10cm distance at least between any obstructions and the wind channels (or front and back panels where the wind inlet and outlets are located).
5. Do not cover the charger. Keep the charger away from the reach of children.
6. If use two pins AC plug , the charger housing must be connected with an ground wire of $\Phi 2.5\text{mm}^2$ or greater.
7. If the charger can not work proper, please check following below:
 - 7.1. Does the battery and charger connect correctly?
 - 7.2. Does the voltage level is appropriated?
 - 7.3. Does the charger in a protected state?
 - 7.4. Does the charger entered into over-temperature or over-current protection status ?

After fixing the problem, disconnect AC power for a few seconds, then connect again. If the charger still does not work properly, please contact with the distributor immediately. Do not attempt to fix the charger without technical support from the distributor or manufacturer.

8. For any faults beyond the seven aforementioned, please contact the distributor or manufacturer for technical support.
9. Do not unplug and insert the input plug several times, otherwise, the thermistor may be overheated and cannot be cooled and damaged, which will affect the normal use of the charger.
10. Opening the housing of the charger without prior written consent from the manufacturer voids the manufacturer's warranty immediately.
11. Please charge with battery for half hour at least each 3 months .

D. Specification

Product name	Battery charger
Item NO.	UPL1500C-36
Input voltage	180-260Vac 50-60Hz
Output wattage	1314W
Charging voltage	43.8V
Charging current	30A
Shut off	1.5A
Housing color	Black and silver
IP rate	IP20
Net weight	4.7 KGS
Size	265*175*90MM