



1-4S LiPo/Li-ion/LiFePO4 Balance Charger Operation Manual

Thank you for purchasing Tenergy 1~4S LiPo/Li-ion/LiFePO4 charger!

Please read the manual carefully before using this charger.

Features:

1. Automatic constant current, constant voltage charging.
2. Automatically terminate charging process when input voltage is lower than 10V or higher than 16V.
3. Reverse polarity and short circuit protection.
4. Over-charge and over-current protection.
5. Applicable for Li-ion, Li-Po and LiFeO4 battery pack.

Specifications:

- Applicable battery types: LiPo, Li-ion and LiFeO4 battery
- Battery count: 1~4cells
- Input: DC 10~16V, 22.5W
- Charging current: 0.9 +/- 0.1 A
- Dimension: 88 x 60 x 21 mm
- Weight: approx. 100g

Operation Instructions:

1. Connect the DC power or AC adapter (15V, 1.5A) to the charger. The power LED will be on.
2. Select the type of battery you want to charge.
3. Connect battery pack to charger, make sure the polarity is connected in the right way, then charging will start automatically.
4. Charging LED should be Red during charging.
5. When the charging LED turns Green, the battery pack is fully charged and balanced.

LED Indicator:

| Power Indicator | Status Indicator | Explanation |
|-----------------|-----------------------|--|
| Solid Green | Off | No Battery Detected |
| Solid Green | Solid Red | Charging |
| Solid Green | Solid Green | Fully Charged |
| Solid Green | Blinking Green (Slow) | Power Input Error |
| Solid Green | Blinking Red (Slow) | Battery Error (e.g. defective battery) |
| Solid Green | Blinking Red / Green | Reversed Polarity (Battery) |
| Solid Green | Blinking Red (Fast) | Hardware Error (Charger) |

Warning:

1. Never attempt to charge 2 battery packs simultaneously.
2. Never leave the charger unattended when it's connected to power supply
3. Terminate charging when any malfunction is observed.
4. Keep away from dust, damp, water, heat, direct sunshine and vibration.
5. Never place it on car seat, carpet or something similar.
6. Always place charger on heat-resistant, non-flammable and non-conductive surface.
7. Do Not charge the following types of battery:
 - Lead acid battery or VRLA.
 - NiMH or NiCD battery pack.
 - Non-rechargeable battery (explosion hazard).
 - Faulty or damaged battery.
 - Any other types except for LiPo/Li-ion and LiFeO4 battery pack.
 - Battery pack which consists of different types of cell, or different brands.

These warnings are particularly important. Please follow the instructions for a maximum safety; otherwise it will damage the battery and charger, leading to injury or hazard. Tenergy will not be held responsible for the injury or hazard caused by improper operation.