

D-Tap Advanced Battery Charger

Instruction Manual

Thank you for purchasing the VL-DT1. The VL-DT1 is designed to charge Lithium Ion batteries equipped with D-Tap Advanced. Prior to using the charger, IDX recommends to read this Instruction Manual and keep this manual for future reference.

⚠ WARNING

May cause sudden serious injury and death

- Do not connect to an AC power source that exceeds the voltage specification stated on the unit.
- Use only with the compatible batteries listed in this manual.
- Do not short the contact pins with any metal object.
- Do not carry or store with metal equipment.
- Do not immerse in water.
- Do not attempt to open the outer casing or break apart.
- Do not subject the unit to extreme physical impact or pressure, or place any object across the terminals that could cause it to short.
- Do not attempt to use if damaged.
- Protect the power cord from any damage.

⚠ CAUTION

May cause injury or damage other equipment

- The unit should be used under the conditions listed in this manual.
- Do not expose the unit to extremely high temperatures.
- Use the approved power cord / appliance connector / plug conforming to the proper ratings (voltage, ampere) and safety regulations of each country if applicable.
- Keep the unit away from excessively dry or humid environments.
- Stop charging immediately if the charging does not complete within the designated time.
- In case of abnormal smell, leak, color change or case deformity during use, turn the power off and unplug the cable from the socket to avoid possible injury.
- Do not carry the charger while the battery is attached.
- Do not charge the battery while the battery is used with equipments.
- Do not charge the battery while the battery is charged from other charger.

Specifications

- Recommended batteries : IDX Lithium Ion batteries equipped with D-Tap Advanced
- Input voltage : AC100V-240V 50 / 60Hz Automatic
- Rated output : DC16.8V/2A
- Power consumption : MAX 90VA
- Charging method : Constant current / Constant voltage
- Operating temperature : 0 ~ 40°C / 32 ~ 104°F
- Operating humidity : 20% ~ 90% RH
- Safety Features : Temperature protection / Over-current protection / Short-circuit protection / Reverse polarity protection / Charge protection timer
- Indication : Status LED Indicator (RED / GREEN)
- Dimensions : Charger approx. 110(W)×33.5(H)×62(D)mm
4.3(W)×1.3(H)×2.44(D)inches
Charging cable length 0.8m / 31.5 inches
- Weight : Charger body approx. 230g / 0.5 lbs
- Charge time standard :
For the latest charging time information, please visit our website
(<http://idxtek.com/charge-chart>)

Features

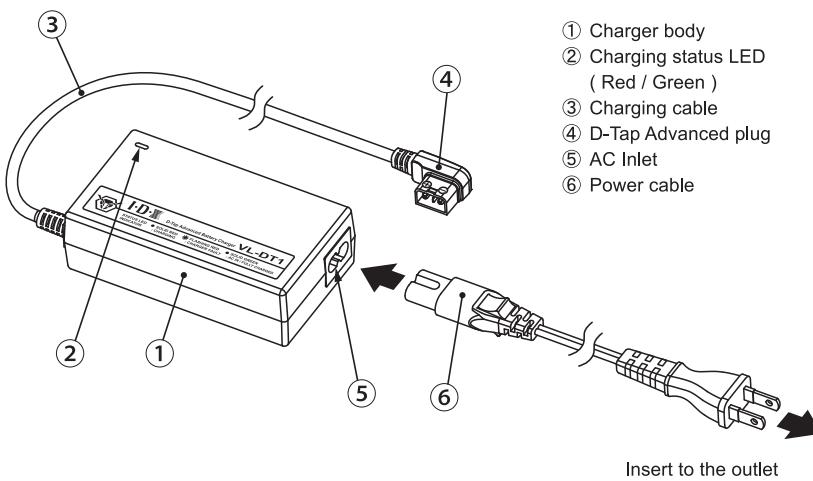
- IDX Lithium Ion batteries equipped with D-Tap Advanced can be charged.
- Auto safety & protection features
- * D-Tap Advanced is a 3 pin connector that enables charging.

Status LED Indicator

LED indicator states

| LED | Indication | Status |
|--------------|------------|---|
| Solid Red | ● | Charge in progress |
| Flashing Red | ■ | Battery abnormal temperature/ Charger fault |
| Solid Green | ● | AC is plugged in / Fully Charged |
| Light Off | ○ | No power |

Operating Instructions / Location and Function of Parts



1 : Insert a plug into the battery equipped with D-Tap Advanced connector, and start charging.
※Please be sure to check the LED shows RED.

It might be a battery fault/full charge if the LED continuously flashing Green.

2 : Charging will complete when the charger detects the battery is fully charged.
※The charger won't start charging if the charger detects abnormal.
※The charger won't start charging if the battery's temperature is extremely high/low.
Please be sure to bring a battery back to normal temperature before charging it.

