

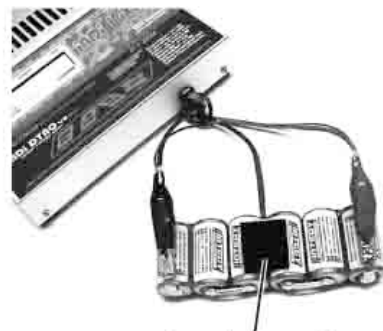
Thank you for purchasing the 16X8v6, it is the smallest and most accurate battery maintenance system ever developed. The Ni-MH and Ni-Cd are considered high maintenance batteries that require regular discharge cycles to prevent voltage depression. Crystalline formation which causes capacity loss is mainly generated by the nickel plate in both Ni-Cd & Ni-MH. The INDI 16X8v6 is a complete battery management system can also charge 1 to 3 cell Li-Polymer packs. 16X8v6 gives you important battery information from an easy to read 2 lines 16 characters dot-matrix LCD display. 16X8v6 is equipped with VESC Linear CHARGE mode for all Li-Po, Ni-Cd and Ni-MH cells, DISCHARGE mode for emptying batteries before storage, CYCLE mode for battery testing and maintenance.

SPECIFICATION

Case Size: 7.2"x7.2"x2.4"
 Weight: 34.8oz
 Input: 11.5-15VDC 110-120VAC
 Output: 1-8cell (Ni-Cd/Ni-MH), 1-3cell (Li-Po)
 Battery Capacity: 50-6000mA (50mA step)
 Charge Rate: 0.1-8.0A (0.1V step)
 Trickle Rate: Adjustable
 Discharge Rate: 0.1-30.0A (0.1A step)
 Voltage Threshold: 1-20mV per cell
 Cycle: 1-9 times
 Delay After Charge: 1-10min (1min step)
 Delay After Discharge: 1-60min (1min step)
 Motor Run Up to 13A, 0.1-9.0V (0.1V step)

| | | Charge or Discharge capacity | Charge or Discharge time | Output battery voltage | Charging current | Slow charging current | Input voltage | Peak voltage | Average voltage (0.000V) |
|----------------|--------------------------|------------------------------|--------------------------|------------------------|------------------|-----------------------|---------------|--------------|--------------------------|
| Charge mode | During charge | ● | ● | ● | ● | | ● | ● | |
| | After charge | ● | ● | ● | | ● | ● | ● | |
| Discharge mode | During discharge | ● | ● | ● | ● | | ● | | ● |
| | After discharge | ● | ● | ● | ● | | ● | | ● |
| Cycle mode | During initial discharge | ● | ● | ● | ● | | ● | | ● |
| | After discharge | ● | ● | ● | ● | | ● | | ● |
| | During charge | ● | ● | ● | ● | | ● | ● | |
| | After charge | ● | ● | ● | | ● | ● | ● | |
| | After test discharge | ● | ● | ● | | ● | ● | ● | ● |

16X8v6 Battery Functions



temperature sensor &
1" x 1" black double sided tape

STEP 1

Power up the unit using AC110-120V outlet or a 12VDC source. Using a high quality 12VDC switching power supply can be beneficial in certain conditions. Ex. race track with less than 110VAC, certain parts of Japan and Canada may also have less than 110VAC where 16X8v6 can become unstable.

STEP 2

Connect battery pack and make sure the polarity is correct. Red to positive and black to negative, this is very important. **Incorrect polarity may result in battery explosion or fire.**

Next, attach the temperature probe to the battery pack using a 1" x 1" high quality black double sided tape. It's important to use a good quality double sided tape, it can drastically improve the temperature sensor accuracy.

READ SAFETY PRECAUTION BEFORE GOING TO STEP3