






ATevo Series Battery Charger 9Vdc POWER SUPPLY REPLACEMENT INSTRUCTIONS

BACKGROUND

1. The ATevo Series microprocessor-controlled float battery charger uses the dc bus (battery), along with a small internal 9Vdc power supply (P/S-A2) for controls, alarms, and external communication.
2. The ATevo 9Vdc Power Supply Field Kit includes a small 1.000in x 2.625in pc board. See below.
 - 24Vdc / 48Vdc ATevo charger models - factory p/n **EN5049-00**
 - 130Vdc & 260Vdc ATevo charger models - factory p/n **EN5042-00**
3. Identify ATevo model number, and refer to online standard drawing binders:
 - 1PH 6-100 Adc (<http://www.atseries.net/ATevo/index.htm#DWGS1PH>)
 - 3PH 16-1000 Adc (<http://www.atseries.net/ATevo/index.htm#DWGS3PH>)
4. Internal Component Layout Drawings in the binders will depict the ATevo Power Board (A2)
 - Style-5054, -5070 - left side - mounted to Rectifier Heat Sink Assembly (A6)
 - Style-5030, -163, -198 - right side - bracket-mounted
5. The ATevo 9Vdc Power Supply (P/S-A2) is mounted on, and connected to, the Power Board (A2).

SETUP

1. Shut down ATevo, by opening both front panel circuit breakers (CB1/CB2).
2.  Disconnect and lock out all external power to ATevo.
3.   Wait several minutes to allow voltage potentials in dc filter caps (A7/C1/C2) to dissipate.
4. Use a ground strap to protect components from static discharge.

PROCEDURE

5. Open the ATevo front panel door, and remove safety shield.
6. Referencing the standard drawings above, locate the large ATevo Power Board (A2).
7. The ATevo 9Vdc Power Supply (P/S-A2) is mounted on, and electrically connected to, the larger Power Board (A2).
8. The small Power Supply pc board orientation on the Power Board (A2) may vary, depending on ATevo model (Vdc/Adc).
9. P/S pc board is only 1.000in x 2.625in. See example to right.
10. Gently pull the existing Power Supply Board off of the Power Board (A2), and discard.
11. Place the new (replacement) 9Vdc Power Supply Board into ATevo charger assembly.
12. Align the two (2) header sockets, on bottom of the replacement board, with the header pin strips (marked **J101** and **J102**) on the existing Power Board (A2).
13. Gently press the new 9Vdc Power Supply Board (P/S-A2) onto the Power Board (A2) until it mates.
14. Check your work, replace the safety shield, and close the ATevo front panel door.
15. Restart ATevo by closing the ac breaker (CB1) *first*, followed by the dc breaker (CB2) *second*.
16. Confirm proper battery charger operation.
17. Field installation of the ATevo 9Vdc Power Supply Board is complete!

