



Maintenance Date:	Maintenance Performed by:
ATevo Model Number:	Serial Number:
Site / Location:	End User Tag:

Step (standard features)	Instructions	Results
Clean ATevo	<ul style="list-style-type: none"> All vents clean and open. Remove dust and debris from inside of unit. 	<input type="checkbox"/> OK <input type="checkbox"/> OK
Check all electrical connections & wiring	<ul style="list-style-type: none"> Circuit breaker (CB1/CB2) or I/O panel user connections are all tight. Internal wiring connections tight, slip-on connectors fully seated. Wire and lug insulation in good condition. Terminations at battery (or dc bus) are tight and corrosion free. 	<input type="checkbox"/> OK <input type="checkbox"/> OK <input type="checkbox"/> OK <input type="checkbox"/> OK
Check ac input voltage & current	<ul style="list-style-type: none"> Measure at ac input circuit breaker terminals (CB1-L#) or I/O panel with an ac voltmeter. Value must be within +10% / -12% of nominal. <ul style="list-style-type: none"> Single Phase: across L1 & L2 Three Phase: across L1 & L2, across L2 & L3, and across L1 & L3 Use an ac clamp to measure input current. Verify input source matches printed listing (Vac) on data nameplate. 	Input _____ Vac L1-L2 _____ Vac L2-L3 ^{3Ø} _____ Vac L1-L3 ^{3Ø} _____ Aac <input type="checkbox"/> OK
Check dc output (float) voltage & current	<ul style="list-style-type: none"> Measure at dc output circuit breaker terminals (CB2[+] & CB2[-]) or at I/O panel dc terminals [+/-] with a dc voltmeter, and record value. Value should agree with front panel display (Vdc) within 1%, and must be correct for site battery rating. If ATevo is using a temperature compensation probe, see curve in Section 10.4 of O&SI to determine correct battery voltage. If voltage reading on external meter does not match output on ATevo display (Vdc), calibrate using HindleHealth. See O&SI Section 8. Use a dc clamp to measure output current. Verify dc bus matches printed listing (Vdc) on data nameplate. 	Output (Float) _____ Vdc <input type="checkbox"/> OK <input type="checkbox"/> TempCo curve <input type="checkbox"/> meter/display match _____ Adc <input type="checkbox"/> OK
Check F/E & alarm settings	<ul style="list-style-type: none"> Use EDIT/ENTER key to scroll through settings. See Section 4.2 of ATevo O&SI manual. Record set points for six (6) basic settings: <ul style="list-style-type: none"> Float Voltage Equalize Voltage Equalize Timer High DC Voltage Alarm Low DC Voltage Alarm Current Limit 	Float Setting _____ Vdc Equalize Setting _____ Vdc Equalize Timer Setting _____ hours HVDC Setting _____ Vdc LVDC Setting _____ Vdc Current Limit Setting _____ Adc
Check dc output (equalize) voltage	<ul style="list-style-type: none"> Switch ATevo Charger Mode to Equalize. See Section 5.1.2 of O&SI. Measure at dc output circuit breaker terminals (CB2[+] & CB2[-]) or at I/O panel dc terminals [+/-] with a dc voltmeter, and record value. Value should agree with front panel display (Vdc) within 1%, and must be correct for site battery rating. Switch ATevo Charger Mode back to Float. 	Output (Equalize) _____ Vdc <input type="checkbox"/> OK <input type="checkbox"/> OK

continued on page 2 of 2...



Step (standard features)	Instructions	Results
Check ac ripple voltage on dc output	<ul style="list-style-type: none"> Measure at battery terminals using ac voltmeter set to milliVolts scale. Check against specifications in Appendix of ATevo O&SI manual. 	Ripple _____ mVac
Test front panel indicators, Common Alarm & firmware	<ul style="list-style-type: none"> Press LAMP TEST key and hold for four (4) seconds. All LEDs will light. Common alarm relay at terminal block A1-TB6 will transfer. When button is released, record UI & PGA firmware versions. 	<input type="checkbox"/> all indicators ON <input type="checkbox"/> relay triggers ver: _____ / _____
Exercise front panel controls	<ul style="list-style-type: none"> Press CHARGE MODE key on front panel. Switch battery charger mode from Float to Equalize. Verify dc output voltage changes to match Equalize setting. Switch ATevo back to Float mode. See Section 5.1.2 of O&SI manual. 	<input type="checkbox"/> OK _____ Vdc
	<ul style="list-style-type: none"> Turn off (open) dc output circuit breaker (CB2). DC Breaker Open alarm will appear on display. Reset dc breaker (CB2). 	<input type="checkbox"/> OK
	<ul style="list-style-type: none"> Press DISPLAY MODE key on panel. Cycle through different settings to verify changes in main display. See Section 5.1.1 of O&SI manual. 	<input type="checkbox"/> OK
	<ul style="list-style-type: none"> Press EQUALIZE METHOD key on front panel. Cycle through equalize methods. See Section 5.1.3 of ATevo O&SI manual. Check Equalized method selected. 	<input type="checkbox"/> Manual Timer OK <input type="checkbox"/> Auto-Eq Timer OK
	<ul style="list-style-type: none"> Turn off ac input circuit breaker (CB1). The AC INPUT FAILURE indicator should light. Reset ac breaker (CB1). 	<input type="checkbox"/> Alarm OK
Final checks	<ul style="list-style-type: none"> Make sure acrylic safety cover is in place. Close latch on front panel door. Restore ATevo battery charger to normal operation (close breakers). 	<input type="checkbox"/> OK <input type="checkbox"/> OK <input type="checkbox"/> OK

Step (optional features)	Instructions	Results
Test auxiliary alarm relays	<ul style="list-style-type: none"> Press LAMP TEST key and hold for four (4) seconds. Six (6) alarm relays will transfer, and six (6) indicators on pcb will light. 	<input type="checkbox"/> OK
Check integrity of remote wiring	<ul style="list-style-type: none"> Remote (Vdc) battery sense wiring - see Section 11 of O&SI manual. Temperature compensation wiring - see Section 10 of O&SI manual. Temperature compensation probe - see Section 10 of O&SI manual. 	<input type="checkbox"/> OK <input type="checkbox"/> OK <input type="checkbox"/> OK
Final checks	<ul style="list-style-type: none"> Close padlock or key lock. 	<input type="checkbox"/> OK

Step (10-year repair)	Instructions	Results
Replace Capacitors	<ul style="list-style-type: none"> Order & replace electrolytic dc filter capacitors (A7 pcb / C1 / opt - C2). Enter ordered date, or capacitor replacement date. 	<input type="checkbox"/> OK Date: __ / __ / 20__

User Notes: