ATevo Series Battery Charger Preventative Maintenance Procedure



Maintenance Date:	Maintenance Performed by:
ATevo Model Number:	Serial Number:
Site / Location:	Distributor Branding:

Step (standard features)	Instructions	Results
Clean ATevo	All vents clean and open.	□ OK
	Remove dust and debris from inside of unit.	□ OK
Check all electrical	Circuit breaker (CB1/CB2) connections are all tight.	□ OK
connections and wiring	Internal wiring connections tight, slip-on connectors fully seated.	□ OK
	Wire and lug insulation in good condition.	□ OK
	Terminations at battery or bus are tight and corrosion free.	□ OK
Check ac input voltage	Measure at ac input circuit breaker terminals (CB1-L#) with ac voltmeter. Value must be within +10% / -12% of nominal.	Input Vac
Check dc output	Measure at dc breaker terminals (CB2+/-) using a dc voltmeter. Value	Float Vdc
voltage	should agree with front panel voltmeter within 1% and must be correct values for site battery. If ATevo is using a temperature compensation	vuc
	probe, verify battery voltage and temperature on display.	Equalize
	If voltage reading on external meter does not match dc output voltage	Vdc
	displayed on ATevo front panel display, this can be calibrated using HindleHealth. See Section 8 of ATevo O&SI manual.	
Check ripple voltage	Measure at battery terminals using ac voltmeter set to milliVolts scale.	Ripple
	Check against specification in ATevo O&SI manual.	mVac
Test front panel	Press LAMP TEST key and hold for 4 seconds. All LEDs will light.	□ all indicators on
indicators, Common Alarm & firmware	Common alarm relay at terminal block A1-TB6 will transfer.	☐ relay triggers
Alarin & Illinware	When button is released, record ATevo firmware version.	version:
Exercise front panel controls	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. See Section 5.1.2 of ATevo O&SI manual.	□ ОК
	Turn off (open) the dc output circuit breaker (CB2). Appropriate alarms will appear on display. Reset dc breaker.	□ OK
	Press DISPLAY MODE key on front panel. Cycle through different display settings to verify main display changes. See Section 5.1.1 of ATevo O&SI manual.	□ ОК
	Press EQUALIZE METHOD key on front panel. Cycle through equalize methods. See Section 5.1.3 of ATevo O&SI manual.	☐ Manual Timer OK☐ Auto-Eq Timer OK
	Turn off ac input circuit breaker (CB1). The AC INPUT FAILURE indicator should light. Reset ac breaker.	☐ Alarm OK

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Step (standard features)	Instructions	Results
Check voltage and alarm settings	Use EDIT/ENTER key to scroll through settings. See Section 4.2.1 of ATevo O&SI manual. Enter values for the six (6) settings	Float (Vdc): Equalize (Vdc): Equalize Timer (hr): HVDC (Vdc): LVDC (Vdc): Current Limit (Adc):
Final checks	 Make sure acrylic safety cover is in place. Close latch on front panel door. Restore ATevo battery charger to normal operation. 	□ OK □ OK

Step (optional features)	Instructions	Results
Test auxiliary alarm relays	Press LAMP TEST key and hold for four (4) seconds. Alarm relays will transfer.	□ OK
Check integrity of remote wiring	 Remote sense wiring - see Section 11 of ATevo O&SI manual. Temperature compensation wiring - see Section 10 of ATevo O&SI. Temperature compensation probe - see Section 10 of ATevo O&SI. 	□ OK □ OK □ OK
Final checks	Close padlock or key lock.	□ OK

Step (10-year repair)	Instructions	Results
Replace Capacitors	Order and replace optional electrolytic dc filter capacitors (A7/C1/C2).	□ OK
	Enter ordered date or capacitor replacement date	Date:// 20

User Notes: