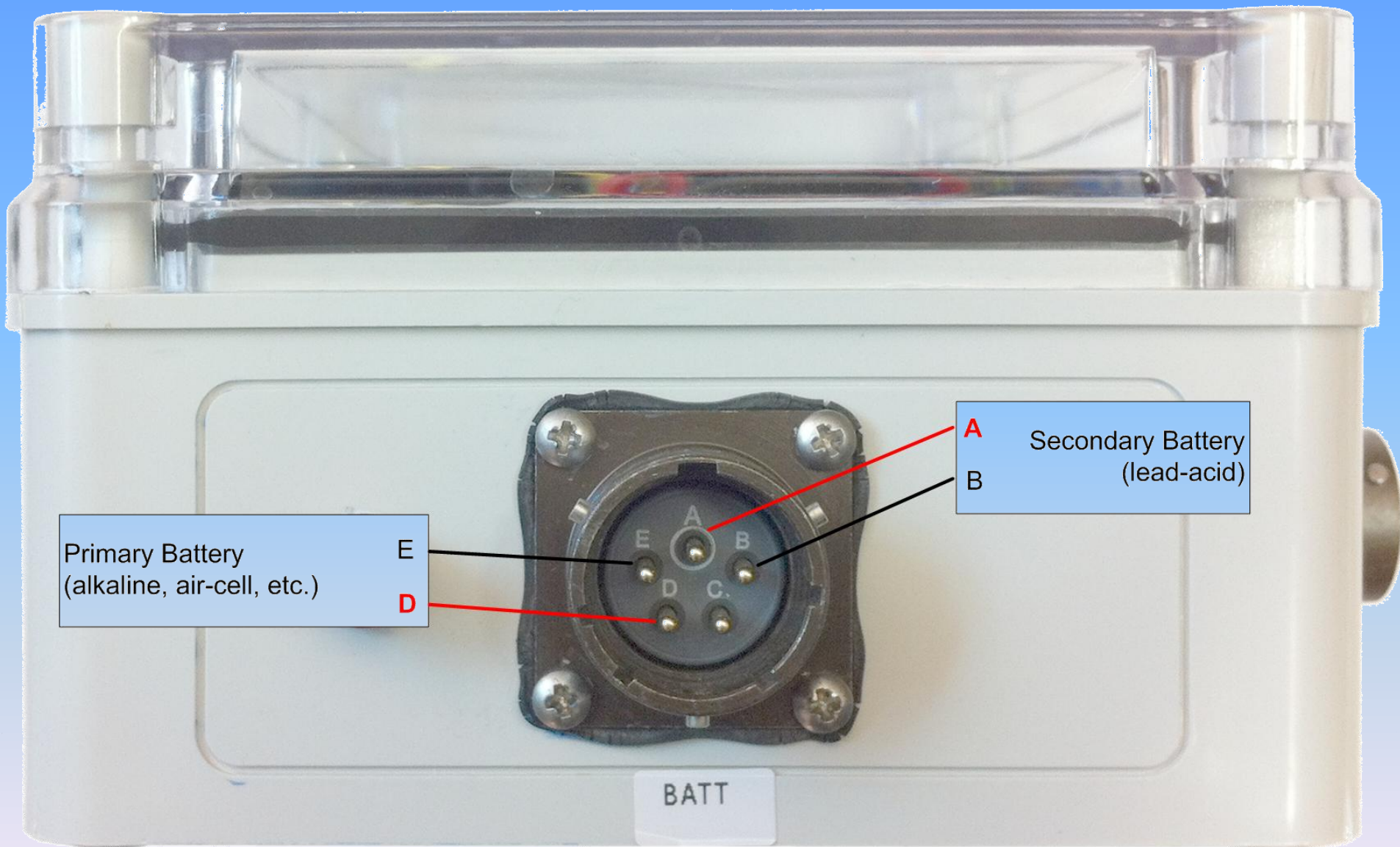




Primary Battery
(alkaline, air-cell, etc.)

E

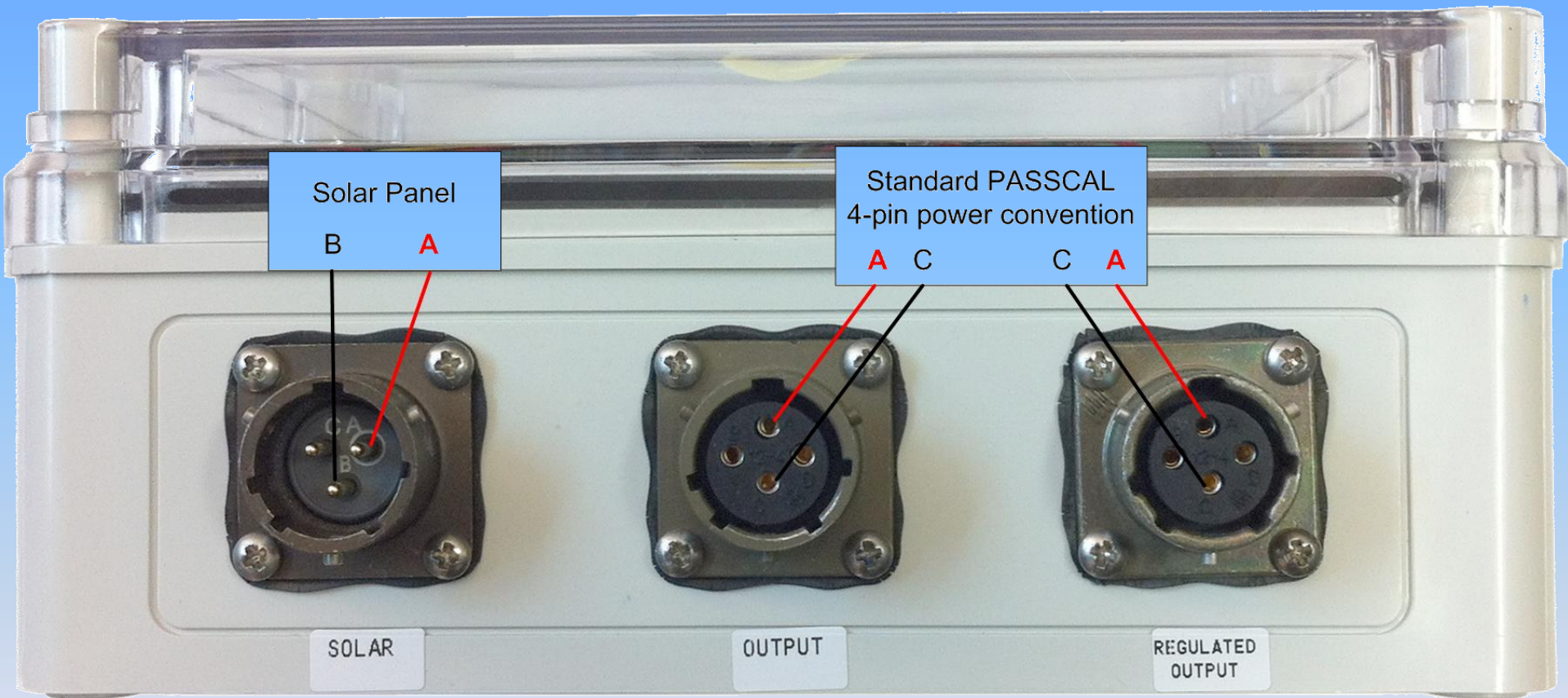
D

A

B

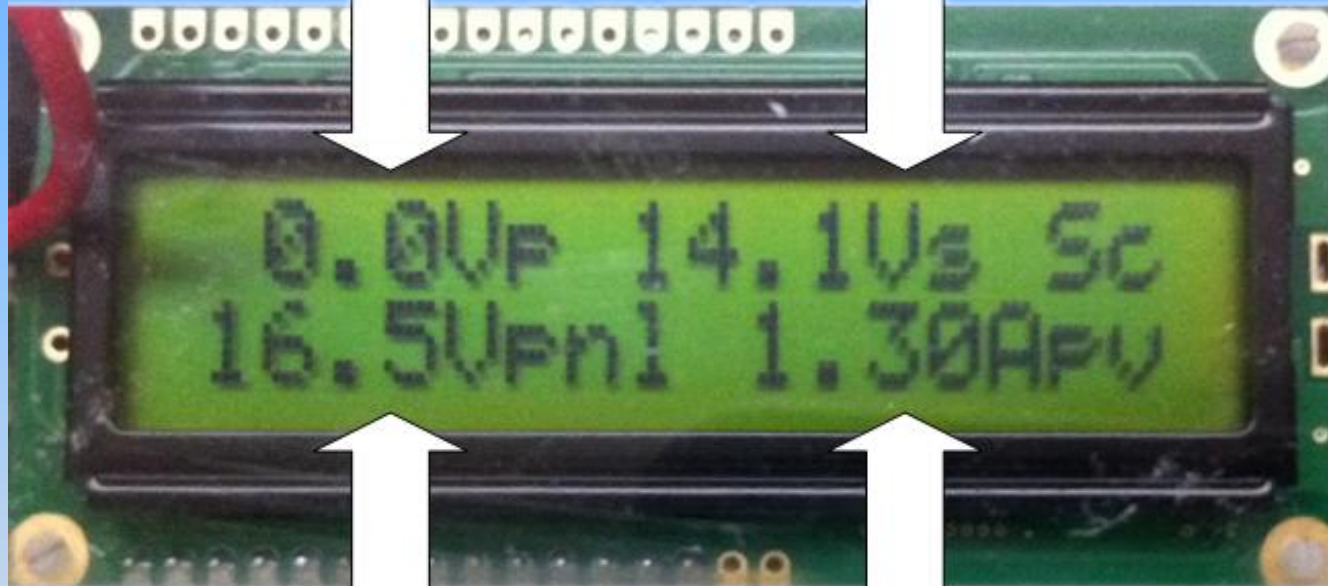
Secondary Battery
(lead-acid)

BATT



Primary Battery
Voltage

Secondary Battery
Voltage



Solar Panel
Voltage

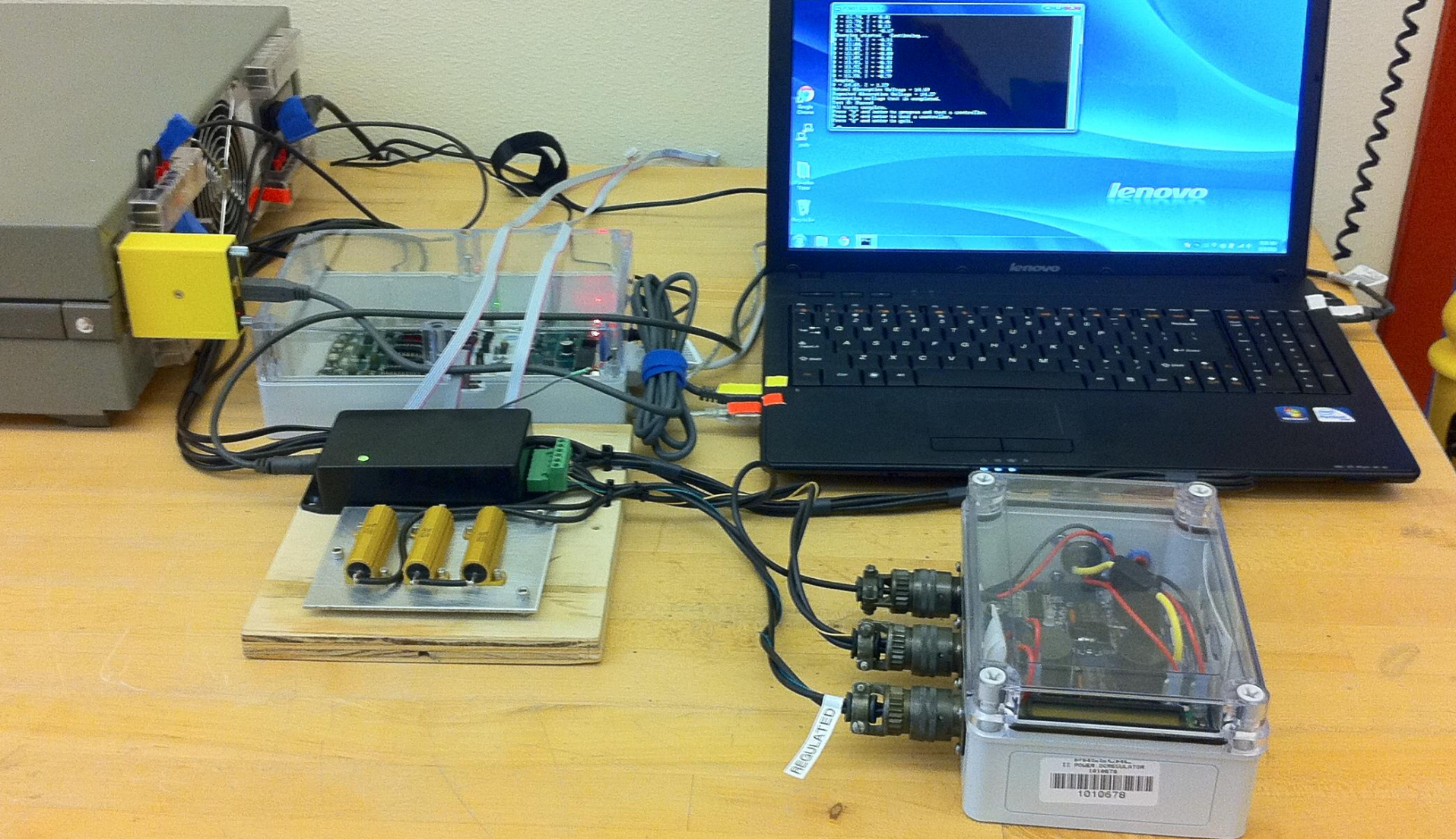
x

Solar Panel
Current

=

Solar Panel
Wattage

Power Box Testing



Power Box Testing

- Test 1: Checks for proper startup when in LVD/R hysteresis zone
- Test 2: Checks Secondary/Primary battery switching
- Test 3: Checks LVD
- Test 4: Checks for reverse panel current
- Test 5: Checks quiescent current
- Test 6: Checks MPPT
- Test 7: Checks LVR
- Test 8: Checks bulk and float voltages

Future plans: Graphical Interface and PIS integration

