Free/Fast/Trivial
to test (once it is setup)

Programmable Time

**Charger**

charging code doesn't know it is connected to simulated battery

Charger can apply contant current or terminal voltage

Provides functions to read current and voltage

ElectricalInterface

Mocks Electrics

Mocks Time

ElectricalInterfaceMock

ChargerMocK

Shippable code

Testing code

**ChargerTester**

time_to_test_hours
time_compression_scalar
battery_rated_amp_hours
battery_initial_state_of_charge
battery_soc_vrs_ocv_profile_csv
battery_ocv_r_profile_csv
charger_bulk_timeout_sec
charger_abs_timout_sec
charger_equ_timeout_sec
charger_bulk_entry_volts
charger_bulk_exit_volts
charge_abs_exit_amps
charger_bulk_ref_amps
charger_abs_ref_volts
charger_float_ref_volts
charger_equ_ref_volts
charger_mock
electrical_mock

Battery