

bulk

```
entry /
    self.control.reference = \
        self.battery_spec.bulk_ref_amps
    self.start_sec = self.sec

To_Bulk / {}

Tick as e /
    if e.payload.sec - self.start_sec > \
        self.battery_spec.bulk_timeout_sec or
        self.volt > self.battery_spec.bulk_exit_volts:
    self.post_fifo(Event(signal=signals.To_Abs))
```

absorption

entry /

```
self.control.reference = \
    self.battery_spec.abs_ref_volts
self.start_sec = self.sec

Tick as e /
    if e.payload.sec - self.start_sec > \
        self.battery_spec.abs_timeout_sec or
        self.amps > self.battery_spec.abs_exit_amps:
    self.post_fifo(Event(signal=signals.To_Float))
```

float

```
entry /
self.control.reference = \
self.battery_spec.float_ref_volts
```

equalize

```
entry /
self.control.reference = \
self.battery_spec.equ_ref_volts
self.start_sec = self.sec

Tick as e /
if e.payload.sec - self.start_sec > \
self.battery_spec.equ_timeout_sec:
```