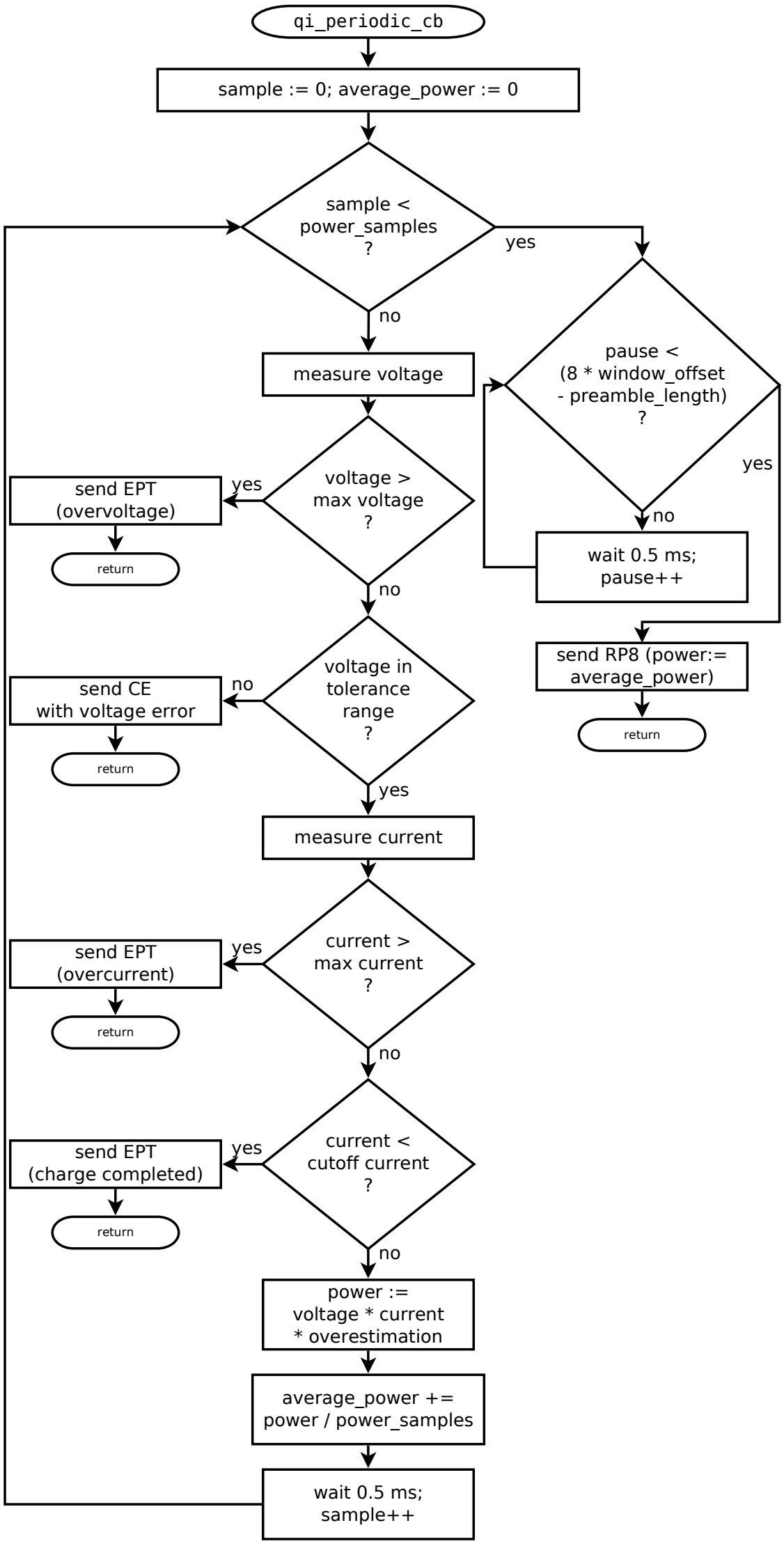
qi_periodic_cb
sample := 0; average_power := 0
sample < power_samples ?
yes
no
measure voltage
voltage > max voltage ?
yes
send EPT (overvoltage)
return
no
voltage in tolerance range ?
no
send CE with voltage error
return
yes
measure current
current > max current ?
yes
send EPT (overcurrent)
return
no
current < cutoff current ?
yes
send EPT (charge completed)
return
no
power := voltage * current * overestimation
average_power += power / power_samples
wait 0.5 ms; sample++
pause < (8 * window_offset - preamble_length) ?
yes
no
wait 0.5 ms; pause++
send RP8 (power:= average_power)
return