PLECS

DEMO MODEL

Buck Converter with Digital Controls

Last updated in PLECS 4.3.1

1 Overview

This demonstration shows a buck converter with a digital controller implementation. The controller block uses a configurable subsystem that can be toggled between a continuous and discrete proportional integral derivative (PID) control scheme. By looking under the mask (**Ctrl+U**) of the PID Controller block, two further masked subsystems contain the S- and Z-domain controllers.
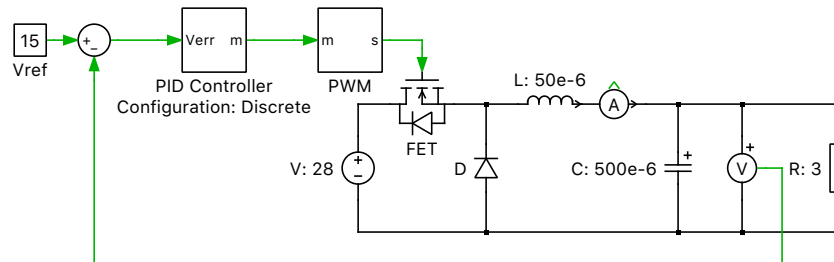

Figure 1: Buck converter with digital controls

Revision History:

PLECS 4.3.1   First release

How to Contact Plexim:

PLECS Demo Model