PLECS

DEMO MODEL

Synchronous Generator Feeding a Rectifier

Last updated in PLECS 4.3.1

1 Overview

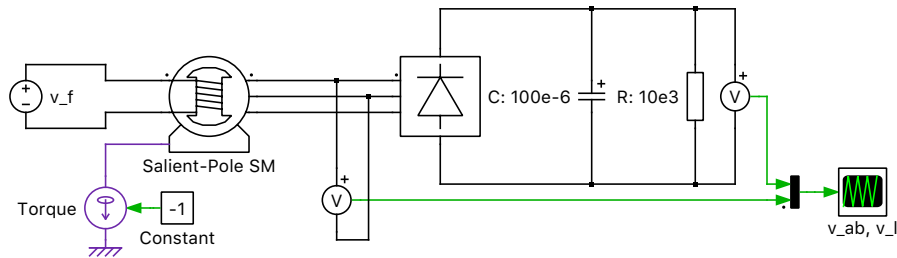A system level overview of the model is given in Fig. 1.

Figure 1: System level overview including electrical, mechanical and control circuit

Please notice that when a diode rectifier is directly connected to the machine terminals, the machine must be implemented in "voltage-behind-reactance" form. Otherwise, an RC snubber circuit across the terminals is required.

Revision History:

PLECS 4.3.1   First release

How to Contact Plexim:

☎	+41 44 533 51 00	Phone
	+41 44 533 51 01	Fax
✉	Plexim GmbH Technoparkstrasse 1 8005 Zurich Switzerland	Mail
@	info@plexim.com	Email
	http://www.plexim.com	Web

PLECS Demo Model