

21.1 WT12A1

Pseudo-Governor Model for Type 1 and Type 2 Wind Generators

This model is located at system bus #_____ IBUS,
 Machine identifier #_____ ID,
 This model uses CONs starting with #_____ J,
 and STATEs starting with #_____ K,
 and VARs starting with #_____ L.

CONs	#	Value	Description
J			Droop
J+1			K_p , proportional gain, pu
J+2			T_i , integrator time constant, sec.
J+3			T_1 , output filter 1 time constant, sec.
J+4			T_2 , output filter 2 time constant, sec.
J+5			T_p , power filter time constant, sec.
J+6			Lim_{max} , maximum output limit
J+7			Lim_{min} , minimum output limit

STATEs	#	Description
K		Power filter
K+1		PI integrator
K+2		Output filter 1
K+3		Output filter 2

VARs	#	Description
L		Reference
L+1		Power reference

IBUS, 'WT12A1', ID, CON(J) to CON(J+7) /

