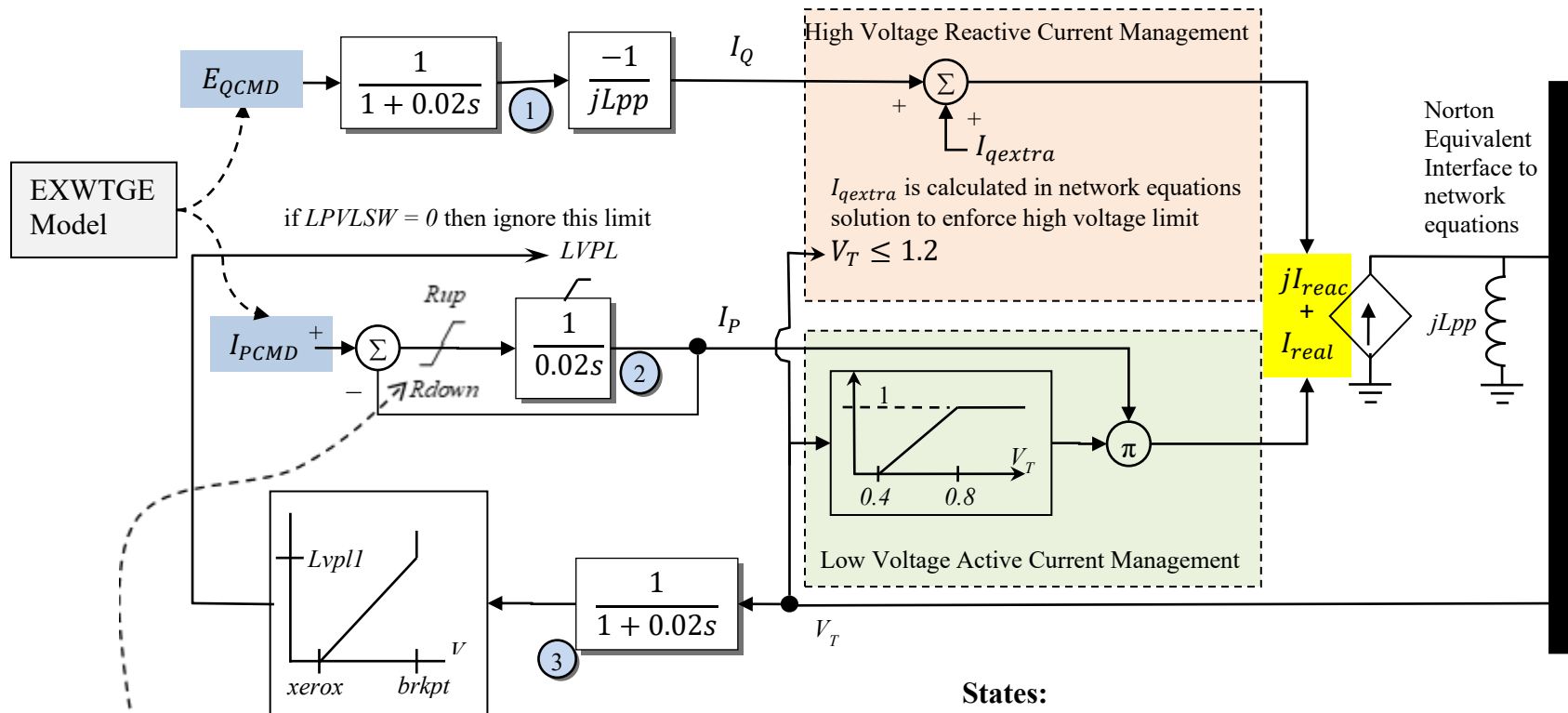


Machine Model GEWTG

Machine Model GEWTG Generator/converter model for GE wind turbines – Doubly Fed Asynchronous Generator (DFAG)

When $fcflg = 0$, this means a DFAG machine



Implementation of the rrpwr Rate Limit (Changed 10/21/2019)

The parameter $rrpwr$ represents an absolute value rate limit. It applies in the direction of the present sign of I_p . Thus it can be written as follows
 If $I_p \geq 0$ then $R_{up} = +rrpwr$ Else $R_{up} = +Infinity$
 If $I_p \leq 0$ then $R_{down} = -rrpwr$ Else $R_{down} = -Infinity$

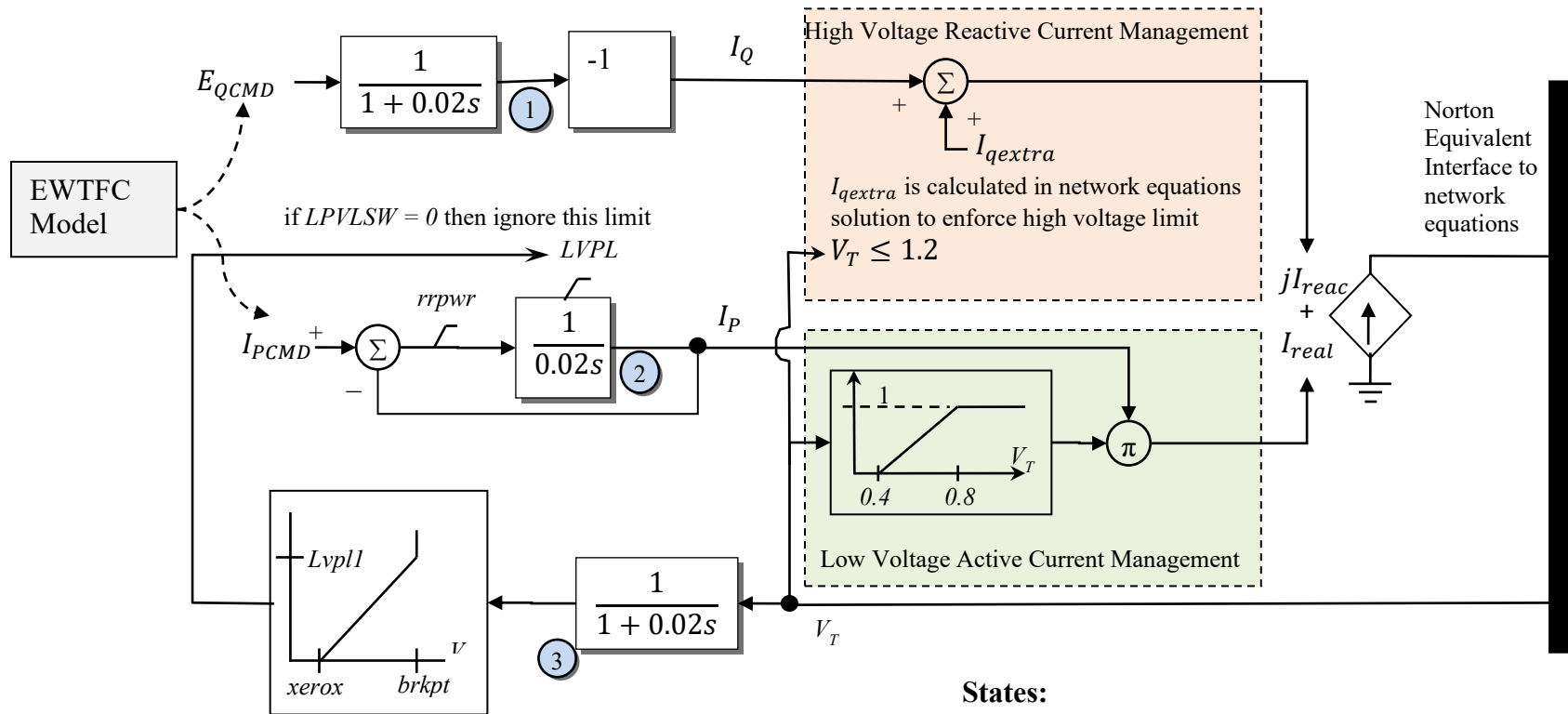
States:

- 1 – E_q
- 2 – I_p
- 3 – V_{meas}

Machine Model GEWTG

Generator/converter model for GE wind turbines – Full Converter (FC) Models

When $fcflg = 1$, this means a Full Converter machine



States:

- 1 – E_q
- 2 – I_p
- 3 – V_{meas}

Model supported by PSLF