



* Network Interface variables differ among application programs

Synchronous Motor Interconnection Variables

Name	Units	Description	Source
Inputs:			
Efd	PU	Field voltage on base of $I_{fag} \cdot R_{fd}$	Excitation system
Pm	PU	Mechanical shaft power of mechanical load	Mechanical Load
or Tm	PU	Mechanical shaft torque of mechanical load	Mechanical Load
Outputs:			
ω	PU	Motor (electrical) speed	
Ifd	PU	Field current on I_{fag} base	

where,

I_{fag} - Field current at rated voltage

R_{fd} - Field resistance