## Current Source inverter



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# Motor voltage when power is supplied from a current source inverter



### Machine quantities at steady-state



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# DC voltage fed system with input converter and current source inverter



# Synchronous motor drive with current source inverter



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# The mmf wave's six directions



# Voltages and torques under ideal conditions



# Commutation from thyristor T1 to thyristor T3







### DC link pulsation and forced commutation



## Example synchronous motor drive (France)



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## Synchronous motor drive at 1.5 kV DC



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Electric Railway Traction 7. Other types of propulsion systems

Synchronous motor drive at 25 kV, 50 Hz AC



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