



Example of a 5-level Multilevel ANPC

## Typical application and trends

- Medium voltage drive up to 6.9kVAC
- Medium voltage Solar up to 1500VDC

## Conversion stage

- DC/DC mono and bi-directional
- DC/AC mono and bi-directional

## Number of levels

Typical: 5  
Max: 7

## Intellectual Property

Patent [US2007025126](#)

## Advantages

- Only 1 flying capacitor and 5 levels

## Drawbacks

- Unbalanced powerswitch losses (poor distribution)
- Large commutation loops

## Notes