



Example of a 3-level ANPC

Typical application and trends

- Medium voltage drive up to 3.3kVAC
- UPS up to 690VAC
- Solar up to 900VDC
- Electric Vehicle

Conversion stage

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

Number of levels

Typical: 3
Max: 3

Intellectual Property

"Free to use" to our knowledge

Advantages

- Good distribution of powerswitch losses

Drawbacks

- Extra switches

Notes

Two high frequency commutation cells are stacked and only work a half-cycle of the whole modulation period