

## Kongres Container

# Three-phase power generation at power stations



## Overview

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At the power station, an electrical generator converts mechanical power into a set of three AC electric currents, one from each coil (or winding) of the generator. The windings are arranged such that the currents are at the same frequency but with the peaks and troughs of their wave forms offset to provide three complementary currents with a phase separation of one-third cycle ( $120^\circ$  or  $2\pi$ ). Watch full video [Overview Three-phase electric power](#) (abbreviated  $3\phi$ ) is the most widely used form of (AC) for , , and . It is a type of that uses three wires.

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