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AC stands for "Alternating Current," meaning voltage or current that changes polarity or direction, respectively, over time. AC electromechanical generators, known as alternators, are of simpler construction than DC electromechanical generators. AC and DC motor design follows respective generator design principles very closely.

Advanced AC circuits and electronics :

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principles ...

Next, set the AC power supply to a frequency of 1kHz. Repeat the measurements of current and the voltages across the two components, and record them in the table. w3b Measurement

AC frequency = 100Hz	AC frequency = 1kHz
Current at point A in mA	Supply voltage V S
Voltage V R across 270 resistor	Voltage V L across 47mH inductor

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