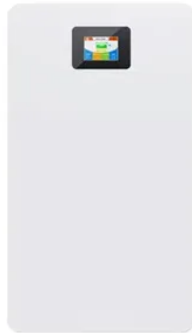


Introduction to three-phase bridge inverter



Overview

Figure below shows a simple power circuit diagram of a three phase bridge inverter using six thyristors and diodes. A careful observation of the above circuit diagram reveals that power circuit of a three phase bridge inverter is equivalent to three half bridge inverters arranged side by. There are two possible patterns of gating the thyristors. In one pattern, each thyristor conducts for 180° and in other, each thyristor. RMS value of Line voltage V_L is given as below. $V_L = 0.8165 V_s$ RMS Value of phase voltage V_p is given as below: $V_p = 0.4714 V_s$ RMS value.



Article Content

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3-Phase Inverter

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Three-Phase Inverter

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4. INTRODUCTION

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Three-Phase Inverter

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CHAPTER 2

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