

12 V / 230 V INVERTER

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ABSTRACT

What is INVERTER? The INVERTER means DC to AC converts. The function of an inverter is to change a dc input voltage to a symmetrical ac output voltage of desired magnitude and frequency.

Why we need INVERTER? We need INVERTER to operate variable-speed AC motor drives, induction heating, standby power supplies, and uninterruptible power supplies. It is widely used in industrial application. The size and type of inverter depends on:

- Continuous running wattage of all loads to be run at one time
- Surge power needed to start heavy loads
- Quality of power needed (wave form and regulation)
- Efficiency needed
- Options and safety features desired

After reading that report, the readers will be clear what is inverter and how it operation.