

Dinesh Micro Waves & Electronics

Power Supplies and Batteries

Dinesh Micro Waves And Electronics is one of the worldwide leading manufacturers of power conversion devices, including standard- and custom AC/DC power supplies as well as DC/DC converters ranging from 1,5 to 1000 watts. Dinesh Microwaves and Electronics manages customer needs and monitors the latest trends regarding power for a multitude of applications in the areas of Industrial Machines & Appliances, Medical Equipment, Broadcast Systems, Military Devices, Laboratory Appliances, Test- And Laboratory Equipment, Automotive Industry, Aviation Systems, Maritime Equipment.....and many more.

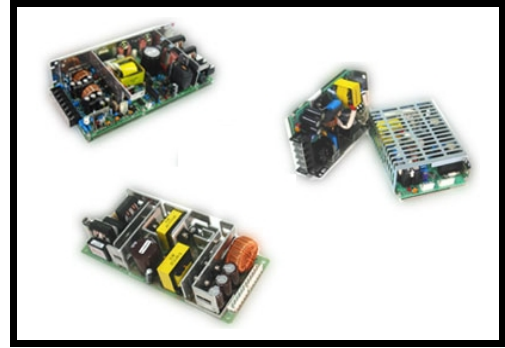
A team of dedicated engineers in our headquarters designs power factor corrected switch-mode power supplies using the latest state-of-the-art components. This ensures the delivery of sophisticated, highly efficient and reliable switching power supplies -- open frame switchers, modular, open, and encapsulated dc/dc converters -- which all help to contribute to the very best performance and benefits for our worldwide base of satisfied customers.

Products

we offers more than 1500 different standard power conversion products like Switch Mode Power Supplies, Switching Power Supplies, Alternating Current power Supplies, Power Factor Corrected AC/DC Switchers, High reliability and efficiency Power supplies, AC/DC power supplies, DC/DC convertors, DC/DC Modules, Open Frame Power Supplies, Din – Rail Mountable Power Supplies, Custom Design Power Supplies, Single Phase Power supplies, Three Phase Power supplies.

AC to DC power supplies starts from 5 watts to 2500 watts and providing up to 20 Channels.

DC to DC convertors starts from 2 Watts to 1000 watts and providing up to 20 Channels.



Dinesh Micro Waves & Electronics

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BATTERIES

The lead-acid battery is the most common type of battery in use today.

There are other types of storage batteries, each having certain advantages.

Types of Batteries:

- Carbon-zinc cell
- Alkaline cell
- Nickel-cadmium cell
- Edison cell
- Mercury cell

Wet and Dry Cells Wet and dry cells are classified by the type of electrolyte the battery uses. The electrolyte of a cell may be a liquid or a paste. If the electrolyte is a paste, the cell is referred to as a dry cell. If the electrolyte is a solution, the cell is called a wet cell.

Carbon-Zinc Cell The carbon-zinc cell is one of the oldest and most widely used types of dry cells. The carbon in the battery is in the form of a rod in the center of the cell which acts as the positive terminal. The case is made from zinc and acts as the negative electrode. The electrolyte for this type of cell is a chemical paste-like mixture which is housed between the carbon electrode and the zinc case. The cell is then sealed to prevent any of the liquid in the paste from evaporating. The advantage of a carbon-zinc battery is that it is durable and very inexpensive to produce. The cell voltage for this type of cell is about 1.5 volts.

Alkaline Cell The alkaline cell is so called because it has an alkaline electrolyte of potassium hydroxide. The negative electrode is made from zinc, and the positive electrode is made of manganese dioxide. The typical alkaline cell generates 1.5 volts. The alkaline cell has the advantage of an extended life over that of a carbon-zinc cell of the same size; however, it is usually more expensive.



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