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From lighting to welding to heating to running several machines, power sources are critical for the functioning of any factory. But when regular power sources are not available for any reason, all these functions could get disrupted. Which is why, industries and factories are feeling the need to invest in temporary power sources. The options available are many, right from portable generators, micro grid controllers, power conditioners, power inverters and UPS.

While it is important to think ahead and invest in a back-up power source, it is equally important to do so through a reputed firm or dealer. Since you would be dealing with high voltage power supplies in your factory or workshop, safety should always be the prime concern.

1. Making a safe choice

There are several industry standards to allow only quality products to be sold in the market. In keeping with this, make sure that the units you are purchasing are built to the UL Standard 1640 as well as the Temporary Construction Site Electrical Power Distribution specifications. In addition to this, it is imperative to check if the back-up power equipment you are buying is compliant with regulations like NEC, NEMA, MSHA and OSHA. Do not hesitate to ask your dealer or manufacturer if they test all their units at full load prior to delivery. This goes a long way in finding any faults with the temporary power sources.

2. Putting back-up power sources into use

Such power sources are required in facilities such as nuclear plants, power plants, petrochemicals units, refinery plants as well as for other utility-based functions. In most facilities, the available power supply is usually at unsafe voltages and hence it is important to install power units that provide knocked down power. For instance, these units help bring down power in the range of 600/480 volts to usable ranges of 240v, 208v or 120v. These units can be portable or permanently mounted depending on your needs.

3. Opting for temporary power distribution units

These units are also available in portable or permanent varieties. However, the portable units are popular because they can be used at multiple locations. When you invest in an in-house power substation, you get access to safe voltages and uninterrupted power supplies. These units are usually self contained load centers that are affixed with a transformer that helps knock down high voltages into GFI-protected 120/240 volt power sources. You could opt for standard as well as custom-made temporary power distribution units for your factory or workshop.

As a final word of advice, it is important to check if the manufacturer or dealer supplying your temporary power products is following the National Electricity Code. At the same time, it is best to avail the services of trained professionals to install these units because they could prove to be hazardous if not installed properly.

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I am a writer professionally. I like to write on the nuclear power based applications process in various industries like a temporary power, portable power distribution, power units, etc. If you wish to learn more about temporary power units and a temporary power distribution.

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