

# Inverters

Emerson offers a product line of DC/AC inverter systems specifically designed to ensure the operation of AC-powered equipment in telecom environments. By tradition, telecom networks are extremely reliable in operation and all subsystems, including energy conversion products, must support this attribute. The product line of inverter systems meets these requirements while being cost-effective and capable of satisfying the needs of most AC loads with regard to capacity, voltage and frequency.

## Product contents

Inverter systems can consist of various inverters, cabinets, static bypass switch, service bypass and accessories to be configured to a specific load or application. Systems are typically rated at 5 and 12.5 kVA.

## Applications

The existence and widespread use of reliable DC power plants, typically providing 24, 48 or 60 volt DC output with battery reserve, make it advantageous to use DC voltage as the energy source for all loads by converting it to all other required voltages. Inverters are the preferred choice for reliable AC powering of critical loads, as well as for AC backup power, when the load demands a long battery reserve time (two hours or more), which is normal in public telecom networks.

## Features

- AC loads receive reliable, conditioned power with the same battery reserve time as telecom DC loads
- The inverters generate sinusoidal output voltages and are compatible with all loads intended and certified for an AC mains supply
- Existing investments in telecom DC power plants are utilized



**// ... specifically designed to ensure the operation of AC-powered equipment in telecom environments ... //**

## Benefits

- Low total cost and short implementation time, due to easy engineering and installation in combination with short lead-times
- Scalability in capacity and precabled cabinets for full load and easy expansion to protect your investment and provide the flexibility to grow at minimum cost
- Modular design and redundancy to shorten mean time to repair (MTTR) and minimize the risk of network downtime
- Available in worldwide voltages and frequencies to give you standardized equipment for global implementation