

Inverters

Gentec inverters, OND3CS Series, compatible with 19" relay racks, are recognized for their high reliability and flexibility



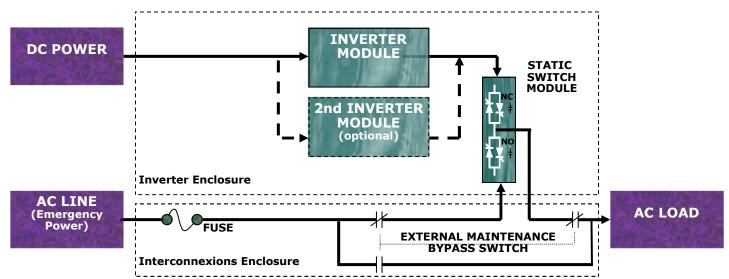
OND3CS Series

The **Gentec** inverters, *OND3 Series*, were designed to provide a high level of reliability and flexibility.

The sub-series *OND3CS* combines inverter modules with a static switch module that operate as a true on-line inverter. In the unlikely event of inverter modules failure, the power from the emergency AC line brought in automatically and without interruption, keep supplying the AC load. The system is completed with an external "make before break" maintenance bypass switch to isolate the system with no power interruption.

The static switch module integrates an HMI interface (Human Machine Interface) that includes an LCD display's control panel that allows to configure easily the different parameters in the field and to visualize the complete operation of the system. Alarm monitoring and issuing are also offered via the LCD display's control panel, LED indicators, and extended through form-C contacts.

Single Line Diagram, OND3CS Series



Configurations, OND3CS Series

In the OND3CS Series, the inverter modules are offered in a regular or parallel configuration:

Regular inverters:

In this configuration, a single inverter module supplies the load.

Parallel inverters, power capacity:

In this configuration, inverter modules operate in parallel to increase the output power. They share the load equally.

Parallel inverters, N+1 redundant inverters:

In this configuration, inverter modules operate in parallel. They share the load equally. If one fails, the other inverter modules supply the load.

Other configurations:

OND3CS Series is the *OND3* sub-series that offers the most features. The *OND3* Series offers other configurations. For example, it is possible to use inverter modules as stand alone inverters that include a relay to transfer the load, in case of inverter failure, to the AC line (or to an other inverter module). *Consult factory for custom assemblies based on the end-user application.*

Inverter Module Technology

The Gentec inverter modules provide safe, pure sine wave, reliable power to critical loads. These true on -line inverters incorporate pulse width modulation (PWM) control combined with high frequency IGBT transistors.

A microcontroller controls the PWM waveform, the synchronization with the AC line and the steady-state voltage regulation even when the inverter supplies non-linear loads.

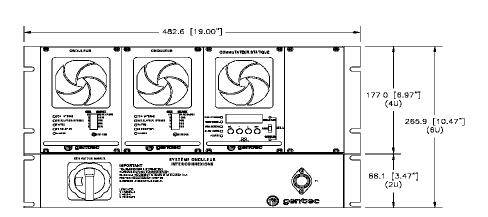
BENEFITS

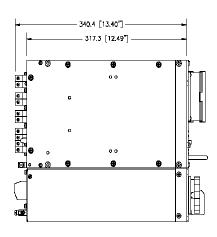
- » Well suited for use in utility substations, heavy industries and telecom sites
- » Custom built products available
- » Mature and proven technology
- » Easy to maintain
- » Life expectancy over 20 years

SYSTEM FEATURES

- » 1000W/1000VA inverter module
- » Short-circuit current: 250% for 35 sec. to eliminate short-circuits
- » Compatible with nonlinear loads
- » Parallel for power capacity or redundancy
- » Pure sine wave output
- » Input/Output isolation
- » 2ms static switch

Dimensions

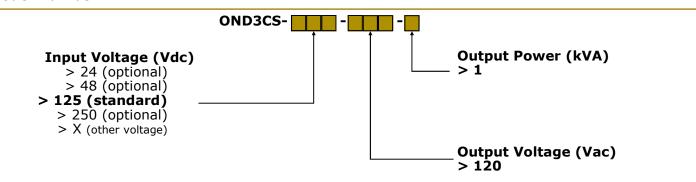




FRONT VIEW

SIDE VIEW

Model Number



Beige, alodine 1500 clear (other colors and finishes on demand)



Color & Finish