

PILLAR Generator INTELLADYNE[™] Series 5-15kW

The INTELLADYNE[™] generator series is recognized in the surface treatment industry as the premier design power supply for reliability and versatility. This breakthrough compact power supply guarantees an increased level of reliability through its use of a proprietary protection circuit within the inverter and control circuitry. Fit for any international application, the INTELLADYNE[™] generator is versatile enough to accept supply input voltages ranging from 380-515 VAC, 3 phase, 50/60 Hz, without the need for the installation of bulky or expensive input transformers.



The INTELLADYNE[™] series power supply maintains peak performance by using an advanced level IGBT (insulated gate bi-polar transistor) that allows for automatic and precise adjustment of load matching into any style electrode or ground roll dielectric material offered in the industry today. Implementation of an extraordinary power measurement circuit guarantees that the power requested is the power delivered, while the feedback maintains constant output power regardless of minor changes in load conditions, temperature and humidity.

Features of the INTELLADYNE[™] series

- Easy to install
- Accurate output power
- Compact design
- Low maintenance
- Superior load match for a wide range of applications
- Best available turn down ratio in the industry
- Operator, Supervisor (password protected) and Factory-only menus

- Economical design, improved cost savings
- User friendly full colour touch screen, menus in various languages
- Easy access Help and Information screens throughout all available menus
- Job storage capabilities
- Start/Stop contactor for safe, dependable operation
- CE or ETL certified
- Digital LED displays Power, Voltage, Current, Frequency
- Microprocessor controlled
- Power Supply diagnostic indicators
- Loss of treatment indicator
- Humidity compensation control (“wet start”)

What is Load Matching?

Load matching is the ability of a power supply to provide full output power to various load conditions. Typically, these changes in load are caused by adjusting electrodes to match different treat widths, although changes from one roll covering type to another or to different electrode sizes will also change load conditions.

What is Turn Down Ratio?

Turn down ratio is the ability of a power supply to reduce the output power to the bare minimum and still produce an even corona across the air gap. This is critical when a variety of different materials are to be treated or when proportional speed adjustments are automatically made.

How does this relate to Pillar's INTELLADYNE[™] Series Power Supply?

Pillar's INTELLADYNE[™] range has been designed to provide a widest range of flexibility to its user. Putting it in a class of its own, the INTELLADYNE[™] load matching ability is capable of providing a range typical of variable frequency power supplies. The INTELLADYNE[™] turn down ratio is unequalled by any other high frequency power supplies on the market.