

# **POWER GENERATION & ELECTRICAL DISTRIBUTION**

**(INCLUDING, BUT NOT LIMITED TO):**

**SOLAR ENERGY**

**WIND POWER**

**BACKUP GENERATORS**

**DIESEL GENERATORS**

**MOBILE GENERATORS**

**PTO GENERATORS**

**POWER TRANSFORMERS**

**TRANSFER SWITCHES**

**CUSTOM ELECTRICAL PANELS**

**REMOTE MONITORING & CONTROLS**

# **STRATODYNEINC.COM**

# POWER GENERATION & ELECTRICAL DISTRIBUTION

## GENERATORS

### PORTABLE GENERATORS



Don't risk your equipment and productivity with a portable generator that can't keep up with your pace. Our portable generators use superior components to ensure reliable performance. Features such as Square D circuit breakers, GFCI protection to OSHA standard, large corrosion free fuel tanks and extended run times make these portable generators the best value on the market. The quality of the components and workmanship exceeds many competing brands' industrial models. These portable generators are for people who require a generator they can trust when they really need it. Sizes of these portable generators range from 3,000 Watts up to 18,000 watts. Please contact a representative for pricing and to discuss your specific industrial or home power generation needs.



### EMERGENCY STANDBY GENERATORS



Packaged Standby System (PSS) is an emergency standby generator that is capable of automatically providing emergency power to your home or business. Every year Americans lose billions of dollars to property damage, personal injury and lost productivity during power failures. Are you willing to risk your family or business? A standby generator is the best investment you can make to protect the things that matter most to you. A dollar spent in prevention can save the heartache and permanent loss that power outages create. Choices for standby generators include: Air-Cooled, Liquid Cooled, & Diesel. Generator sizes available range between 12,000 watts all the up to 350,000 watts.

All of these systems come with a commercial warranty. These standby generators have logged tens of thousands of hours in the field in solar and well applications. Don't compromise the safety and comfort of your operation. Choose a Packaged Standby System for your emergency standby generator.

### MOBILE DIESEL GENERATORS

We take our mobile diesel generators very seriously and we don't believe you should have to compromise. The base of any mobile diesel generator is the engine. Our Isuzu and FPT (Case IH, New Holland) engines are powerful, fuel efficient and durable. Both engines have extensive service networks making it quick and easy to source parts locally.

The Redi-Power mobile diesel generators use high quality Stamford generator ends that are 12-lead reconnectable. The four position voltage control switch makes it quick and easy to switch between voltages. The extra switch position also gives you true line- to-line and line-to-neutral voltages so you don't have to compromise in three phase voltages. To protect your equipment we use a quality digital controller to monitor all of the important engine and electrical data. All dangerous electrical connections are protected by steel doors with generator kill switches. Two-wire start capabilities are included standard.



The generators feature DOT approved trailers with steel fenders. An integrated fuel tank and standard electric brakes make this trailer one of the most popular models in the business. A choice of 3" pintle, 2" ball or 2 5/16" ball coupler connection is also offered.

### PTO & VEHICLE MOUNTED GENERATORS

We provide solutions to power problems by offering a line of electrical generator products. Today, we offer power take off powered generators in sizes ranging from 15kW through 165kW, with either 540 or 1000 rpm gear cases. All PTO generators from 25-75kW are machined, wound, assembled and tested in the United States making them the only PTO generators that are truly American. There are a couple of important factors to consider when selecting PTO generators. One essential consideration is service life. We have tens of thousands of PTO generators in the field that have proven their durability by logging millions of hours during emergencies. We stand behind our products and will be around to provide the service parts and technical expertise when needed.

Vehicle mounted PTO generators are a time tested design that will get the job done. We control each step of the manufacturing procedures to make sure our generators will last. Various models are available in single and three phase voltages to meet any applications.



**CONTACT A STRATODYNE REPRESENTATIVE TODAY**  
**TO DISCUSS YOUR OPERATIONS SPECIFIC NEEDS!!**

# POWER GENERATION & ELECTRICAL DISTRIBUTION

## SOLAR & WIND POWER

### WIND POWER

Stratodyne is pleased to offer the **Superwind 350 Kit**. (Available in 12V or 24V)  
The **Superwind 350 Kit** includes:

- Our newest version of unbelievably quiet blades - these carbon-fiber reinforced blades combine outstanding aerodynamic performance with super-quiet operation. **SCR Marine Charge Controller** – designed with the ability to charge two banks of batteries, as well as a wide range of battery types (including AGM and lithium technologies).

**Diversion Load Resistor** – works in tandem with our high-tech diversion load controller to allow for full battery charging, and enables truly autonomous operation.

**Safety-Stop Switch**

**Delrin Marine Mast Integration Bushing** – works with any 2" schedule 40 aluminum masts as well as 2 1/4" stainless steel tube (2.25", 16 gauge wall).

**Superwind 350 Kit (12V or 24V)**

**\$2,499.00 EA**



### SOLAR POWER

Stratodyne also carries a variety of solar power options. These special water proof panels can also be walked on as well as having properties allowing them to be vehicle roof mounted on military equipment, trailers and the decks of ships. Most larger panels also feature a three wire 'cell protector' system that allows the panel to keep making some power, even when there is a hard shadow on part of the solar string surface. The cell protector chip set is included with the purchase of 36 watt and larger panels and converts the 'three-wires-out' to just two wires (DC + & -) so integration is easy for any off grid system.

Panels are available in 12V or 24V models in a variety of dimensions. This solar panel line features a variety of panels at different wattage in an effort to meet your specific needs.

Wattage Panels Available Include: 14W, 20W, 25W, 27W, 38W, 40W, 48W, 50W, 55W, 70W, 83W, and 100W, with the most popular options being the 48W and 70W panels.

**CONTACT A STRATODYNE REPRESENTATIVE TODAY FOR  
OPTIONS, PRICING, AND SPECIFICATIONS**



## CUSTOMIZED ELECTRICAL PANELS & POWER DISTRIBUTION

Stratodyne provides solutions to all of your electrical needs. A portion of our offering includes Automatic transfer switches (ATS) that are 2-wire control switches that are compatible with all 2-wire start systems from all manufacturers. The switch monitors incoming utility power. When the utility power fails it starts the generator and transfer the emergency load onto the generator. After the utility power is restored it will transfer the load back to the utility source, cool down the generator and then return to a standby mode. The ATS has an exercise circuit that tests the generator system every week. Our products and services help to provide a seamless transition from shore to generator power



In addition to many products, we also offer Buck-boost transformers that are designed to maximize the performance and life of electrical equipment. They are typically used to power loads with specific voltage requirements that differ from the available line voltage. A single buck-boost transformer is used to boost or buck single-phase voltage. Two or three units are required to boost or buck three-phase voltage. Buck-boost transformers can be connected as auto-transformers or isolated transformers. No matter your need, we can provide a solution to meet your requirements.



We also provide digital controllers for our diesel generator lines. These controllers allow you to electronically start the generator set. The controller will electronically display useful engine and generator performance information. The controller monitors critical operating parameters and will shut the generator down to protect the equipment from damage. These controllers can be tethered in order to operate the generator remotely or from another room.

No operation's electrical needs are exactly the same and sometimes standard set-ups are just not an option. At Stratodyne; we can customize an electrical solution that is catered to your agency's specific wants and needs. This provides you reliable power options with a setup that not only ensures safety and efficiency, but is also reliable and tailored to your particular requirements.

Contact a Stratodyne representative today to discuss your agency's needs and to find a solution that best meets them.





# STRATODYNE FEATURED PRODUCT

## SOLAR POWERED GENERATORS AND LIGHTING TOWERS

Stratodyne carries solar mobile generator power and lighting solutions that are certain to meet the needs of any size operation or agency. This equipment offers a reliable way to provide scene or situational lighting no matter your location.

Solar powered LED light towers provide a safe and effective way for operators to quickly deploy intense LED illumination. These light plants feature telescoping light towers that fold over for easy transportation, feature a rotating booms that allows for 360° of rotation, and a removable mast heads for storing the light fixtures when not in use. With larger products, telescoping lighting masts are pneumatic and raised or lowered via an on-board air compressor.

The solar charging station features a battery bank sized in accordance with the lighting output of each particular product. The battery bank is also equipped with a line voltage AC rapid battery charging system that allows the operators to plug the stations into 120V or 240VAC to charge the bank without removing the batteries. This features provides power to the unit during cloudy days or during extended lengths of non-use. Lights can still be operated during charging.

The solar power generation and lighting towers utilize a component control center to ensure that the 50% threshold on the batteries is controlled. This protects the batteries from failure and also includes ground fault protection as well as a monitoring system to log all of the units activities. The controller also includes a visual display to show system status.

For larger sized products, each unit is built upon a DOT and FMVSS approved trailer. These trailers feature an industrial grade finish for rust and corrosion resistance. The trailers also feature appropriately weighted axles, adjustable tow hitch, safety chains, electric break setup, and electronic breakaway device.

Our solar power generation and lighting towers can also be used in conjunction with security cameras or monitoring equipment by mounting this equipment to the existing telescoping mast. CONTACT A STRATODYNE REPRESENTATIVE TO DISCUSS YOUR NEEDS TODAY!!

### 1.5 KW SOLAR POWER GENERATOR (w/ PNEUMATIC LIGHT TOWER & 120WATT LED LIGHTS)



### 580W SOLAR LIGHT TOWER (30' TOWER, 7.5' TRAILER, & 60 WATT LED LAMPS)



### 10W PORTABLE SOLAR POWERED QUADPOD LED LIGHT (w/ PHOTOCELL OR MOTION SENSOR)

