



## Intelligent Back-up Power Appliance

GridPoint Connect is the first intelligent back-up power management appliance to intelligently manage solar, wind or fuel cell energy with traditional power sources, while also providing instant backup power. Housed in a single "plug-and play" cabinet, the GridPoint Connect seamlessly combines power electronics, high-capacity battery storage, and an advanced computer, powered by an Intel® Pentium® processor, to ensure you're never without power day or night.

GridPoint Connect actively communicates with GridPoint's network operations center to ensure optimal performance and early detection of maintenance needs. The result is reliable power in the event of an outage and an intelligent, efficient and automatic way to manage your energy.

GridPoint Connect's advanced power electronics and high capacity batteries maximize the efficiency of converting solar electricity into useable electricity. It also empowers owners to automatically sell excess solar electricity to the utility company.

Featuring a sleek, stainless steel, safety-rated enclosure and backed by a comprehensive warranty, GridPoint Connect is a quiet and attractive intelligent renewable energy management appliance.



Features	Benefits
<b>"Plug-and-play" integration with renewable energy sources</b>	<ul style="list-style-type: none"> <li>➤ Connects easily to renewable energy sources like solar panels</li> <li>➤ Enables usage of renewable energy sources even when traditional power is not available</li> <li>➤ Suitable for new or retrofit installations</li> <li>➤ Sells excess power back to the utility company</li> </ul>
<b>Elegant design, sophisticated engineering</b>	<ul style="list-style-type: none"> <li>➤ Power electronics and high-capacity batteries, enclosed in a compact stainless-steel cabinet</li> <li>➤ Preemptive safety and performance monitoring</li> <li>➤ Integrated user interface</li> </ul>
<b>Reliable backup power</b>	<ul style="list-style-type: none"> <li>➤ Automatic, sub-second switchover to backup power (8-24 milliseconds)</li> <li>➤ High capacity, sealed, maintenance-free batteries (fully recyclable)</li> <li>➤ Wide range of battery capacity configurations available</li> <li>➤ <b>Unlimited back-up time</b>, available with the solar option</li> </ul>
<b>Easy installation and operation</b>	<ul style="list-style-type: none"> <li>➤ All-in-one design eliminates complex installation</li> <li>➤ 24/7 monitoring by GridPoint Operations<sup>SM</sup> insures optimal system performance and reliability</li> <li>➤ Quick-connect input and output wiring</li> <li>➤ Comprehensive warranty</li> </ul>

### Protects from Power Outages

Americans lose over \$80 billion annually due to power outages<sup>1</sup>. Unlike conventional generators, the Connect Series instantly provides clean, silent, pollution-free backup power for the home, protecting your family, and ensuring computers, entertainment centers and appliances run without interruption and are protected from power surges.

### Manages Energy Efficiency

The Connect Series, in concert with GridPoint Central<sup>SM</sup>, takes the mystery out of how energy is being consumed in the home. GridPoint Central is a personal Web portal for customers to manage their energy efficiently. It provides access to information on the amount of renewable energy produced, times of peak usage and energy consumption by major appliance. GridPoint Central also enables customers to select energy consumption preferences to adjust to weather patterns and vacations, for example, as well as to run washers, dryers, etc. during the night when energy costs are lower.

### Reduces Energy Costs

The Connect Series allows consumers to benefit from time-of-use pricing, under which utilities charge consumers more for electricity during peak periods and less when demand is low. The Connect Series automatically purchases electricity at the utility's lowest rate and uses stored energy when rates are highest – reducing the average electricity bill by up to 15 percent<sup>2</sup>. Additionally, the appliance sells excess power generated from the renewable energy source to the utility company, further reducing costs.

<sup>1</sup> 2005 study conducted by Lawrence Berkeley National Laboratory

<sup>2</sup> Actual savings may vary depending upon consumption patterns and the time-of-use pricing offered in a utility's service area

## GridPoint Connect™ Model C36 - Technical Specifications

- Solid state, microprocessor controlled power electronics. Automatically isolates secure loads from grid during brownouts or blackouts. 14 millisecond average response time
- AC Power Rating: 3.6 kVA single phase (7.2 kVA pass through)
- Solar Array Capacity: up to 8 kWp in multiple sub-arrays (works with any solar cell technology)
- Optional Battery Capacity: 7 or 10 kWh AC (will support 1 kW AC load for 7 or 10 hours)
- Battery Type: High capacity, sealed, maintenance-free. 10 year projected life. Fully recyclable. Remote monitoring for continued performance and proactive replacement notification
- Integrated metal enclosure for quick installation and maximum customer safety
- Advanced monitoring system to allow both in-house and Internet-based system monitoring
- Ground Fault Protection for roof-mounted solar systems
- Bypass switch to allow uninterrupted power even during system maintenance
- Advanced lightning / surge protection
- Listed to appropriate UL and NEC standards
- Integrated smoke, flood and door open sensors
- Dimensions: 24" (W) x 25.6" (D) x 52" (H)