

Consumers worldwide are using electrical devices at an unprecedented rate causing an increased demand on utility companies. This increased demand is burdening electric power infrastructures, in some cases overloading these systems. As a result, consumers are experiencing an inferior quality of electrical service resulting in power outages, brownouts and blackouts. A significant amount of capital is currently being invested in managing the “grid” but very little investments are being made in where the problem really exists, namely, at the point of use.

***ECOWISE® is the ultimate Smart Grid solution. ECOWISE® units optimize voltages used by residential and commercial consumers, thereby reducing the amount of wasted energy consumed by appliances, lights and other electrical devices. The end result is the availability of more energy for additional residential and commercial applications without the requirement for additional electric power infrastructures. A variety of models are available to best suit specific needs.***



The ECOWISE® product line includes residential, commercial and multifunctional models. The residential ECOWISE® units manage electrical energy consumption in homes to optimal levels, reduce electric utility charges and reduce maintenance and replacement costs for appliances and lights. ECOWISE® COMMERCIAL units are additionally designed to operate at higher loads, 24 hours a day, 7 days a week. ECOWISE DUO® units include all ECOWISE® benefits, plus have an under voltage boost capability for situations where homes or businesses experience under voltage conditions. ECOWISE DUO® units serve as an energy optional whole house stabilizer.

Utility companies will benefit from the reduction in electrical demand provided by the ECOWISE® units. During times where power infrastructures are overloaded, ECOWISE®’s optional Load Manager and Voltage Scheduler features will alleviate the situation. The Load Manager feature limits the maximum allowable load to a given home or business. The Voltage Scheduler feature adjusts the voltage of a home or business. ECOWISE® units support the scheduling of these features. These features transform an ECOWISE® unit into a true Smart Grid solution.



*THE TECHNOWISE GROUP™ is a world leader in the design, development and marketing of state-of-the-art energy conservation solutions using proprietary patented technologies.*

*THE TECHNOWISE GROUP™, headquartered in Boca Raton, FL, USA, has invested significant funding and more than six years of research, development and testing in its products and technologies.*



## ECOWISE®

### Benefits

- Manages the energy in homes and businesses to optimal levels
- Reduces energy consumption at the point of use
- Reduces homeowner maintenance and replacement costs for appliances and lights
- Mitigates brownout and blackout conditions
- Reduces technical losses on distribution network
- Reduces the loading on electrical distribution systems
- Improves the quality of electrical service to consumers
- Eligible for CERs (Certified Emission Reduction) Carbon Credits and other World Bank subsidies

### Features

- Energy Savings
- Compact Design
- Patented Technology
- Indoor/Outdoor Use
- Short Circuit Protection
- Over Temperature Protection
- Over Current Protection
- A True Smart Grid Device

### Additional Features

- Load Manager
- Voltage Scheduler
- Under voltage boost capability for the entire home



	 ECOWISE® EW 30/1	 ECOWISE® EW 50/1	 ECOWISE® EW 100/2	 ECOWISE DUO® EWD 30/1
<b>Operating Voltage (AC)</b>	85V - 145V	85V - 145V	120V - 0 - 120V	85V - 145V
<b>Phase</b>	Single-Phase	Single-Phase	Bi-Phase	Single-Phase
<b>Current (continuous)</b>	20A	50A	100A	30A
<b>Maximum (Continuous) Current</b>	25A	59A	120A	39A
<b>Operating Frequency</b>	50/60 Hz	50/60 Hz	60 Hz	50/60 Hz
<b>Operating Temperature</b>	-20°C to + 40°C	-20°C to + 40°C	-20°C to + 40°C	-20°C to + 40°C
<b>Commercial Applications</b>	No	Yes	Yes	No
<b>Under Voltage Boost Capability</b>	No	No	No	Yes
<b>Design Dimensions (HxWxD)</b>	10.1x7.4x7.0 (in) 26x19x18 (cm)	19.5x7.4x7.4 (in) 50x19x19 (cm)	25.7x9.4x12.1 (in) 66x24x31 (cm)	19.5x7.4x7.4 (in) 50x19x19 (cm)

*GREEN technologies for a better planet™*  
WORLDWIDE PATENTED TECHNOLOGY

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