

## ECOWISE DUO®

As global populations continue to increase, the consequential energy demand grows at an unprecedented rate. In many areas of the world, consumers are experiencing an inferior quality of electrical service due voltage drops and fluctuations resulting in power outages, brownouts and blackouts. These situations frequently result in the deterioration and malfunctioning of electrical equipment as well as a decline in the quality of life for consumers. 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, at the point of use.

Driven by these realizations, THE TECHNOWISE GROUP™ has developed the ECOWISE DUO® unit. ECOWISE DUO® units include all the benefits and capabilities of ECOWISE® plus an optimized under voltage boost capability, a Load Manager and Voltage Scheduler.

***Residential and commercial consumers will benefit from ECOWISE DUO®’s optimized under voltage boost capability which protects electrical equipment from low voltage conditions and provides improved electrical service to consumers. ECOWISE DUO® units serve as an optimized whole house stabilizer.***

Utility companies will also benefit from the reduction in electrical demand provided by ECOWISE DUO® units. During times where power infrastructures are overloaded, ECOWISE DUO®’s 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 further optimizing energy consumption. ECOWISE DUO® units support the scheduling of these features. These features transform an ECOWISE DUO® unit into a true “Smart Grid Solution”.

The ECOWISE® product line also includes a wide variety of models available to best suit specific consumer needs at the residential, commercial and multifunctional level.



*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 DUO® 30/1**  
Multifunctional



## ECOWISE DUO®

### 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 DUO® EWD 20/1	ECOWISE DUO® EWD 30/1
Operating Voltage (AC)	85V - 145V	85V - 145V
Phase	Single-Phase	Single-Phase
Current (Continuous)	20A	30A
Maximum (Continuous) Current	29A	39A
Operating Frequency	50/60 Hz	50/60 Hz
Operating Temperature	-20°C to + 40°C	-20°C to + 40°C
Commercial Applications	No	No
Under Voltage Boost Capability	Yes	Yes
Design Dimensions (HxWxD)	19.5x7.4x7.4 (in) 50x19x19 (cm)	19.5x7.4x7.4 (in) 50x19x19 (cm)

*Developing GREEN technologies for a better planet™*

WORLDWIDE PATENTED TECHNOLOGY

ECOWISE® and ECOWISE DUO® are registered marks in the U.S. Patent and Trademark Office.  
THE TECHNOWISE GROUP™ and DEVELOPING GREEN TECHNOLOGIES FOR A BETTER PLANET™ are trademarks in the U.S. of The Powerwise Group, Inc.