



# TimesOne™

The Energy Efficiency Company

## TIMES ONE ACTIVE LINE CONDITIONERS

50 to 300 Amps to 1200 Amps parallel

- Voltage operation of 200VAC thru 480VAC for single and 3-phase units for Delta and Wye connection
  - Compensation of harmonics to meet IEEE 519 requirements as power levels vary from 10% to 100% load
  - Advance control circuit allows large load current change for small harmonic distribution current change
  - H Bridge technology results:
    - High surge voltage withstand
    - Fast (25kHz) switching
    - Versatile Architecture
  - Status LED's
  - Air-cooled via external air flow
  - High reliability design
  - Maintenance free operation
  - ALC family offers a compact, modular chassis mount
- Increase system capacity and reliability by using Active Line Conditioners to cancel harmonics from non-linear loads such as: computers, variable speed drives
  - Controller uses a 40MHz flash based DSP
  - CAN communications option
  - To allow proper choice of filter design, please specify:
    1. Full load current (Amps)
    2. Voltage (Volts)
    3. Power factor (Pf)
    4. % Current distortion (%ITHD)
    5. Rating of all main and isolation transformers of Kva and % impedance
    6. Type of load: Example: variable speed drive, model no. and Hp

### Power Correction Systems, Inc.

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## ACTIVE LINE CONDITIONERS

### Technical Specifications

MODEL	T1-UW50	T1-UW 100	T1-UW200	T1-UW 300
Output Current	50A RMS	100A RMS	200A RMS	300A RMS
Nominal voltage	200 thru 277VAC	200 thru 277VAC	200 thru 277VAC	200 thru 277VAC
Base Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
CT Ratio	50:1	50:1	50:1	50:1
Compensation	THD reduced to 5%	THD reduced to 5%	THD reduced to 5%	THD reduced to 5%
Current Response	75A/uS	150A/uS	300A/uS	450A/uS
Controller PF	1.0 +/- 0.05	1.0 +/- 0.05	1.0 +/- 0.05	1.0 +/- 0.05
Inrush Current	50A	100A	200A	300A

### Physical Dimensions

MODEL	LENGTH	HEIGHT		DEPTH	WEIGHT
		1 Phase	3Phase		
<b>UW50</b>	18"	8"	24"	14"	50 lbs
<b>UW100</b>	18"	12"	36"	14"	100 lbs
<b>UW200</b>	18"	16"	48"	14"	150 lbs
<b>UW300</b>	18"	20"	60"	14"	200 lbs



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