

**TRCELECTRONICS, INC.****"Authorized Distributor"**

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*Contact TRC for pricing,
availability, and technical
assistance.*

- P.C. board mount AC/ DC converter
- Built- in inrush current and overcurrent protection circuits
- Small and compact size
- UL recognized, CSA certified
- Two- year warranty

ORDERING INFORMATION**YW505U**

UL recognized, CSA certified:U
Output voltage
Output wattage
Dual output
Series name

SPECIFICATIONS

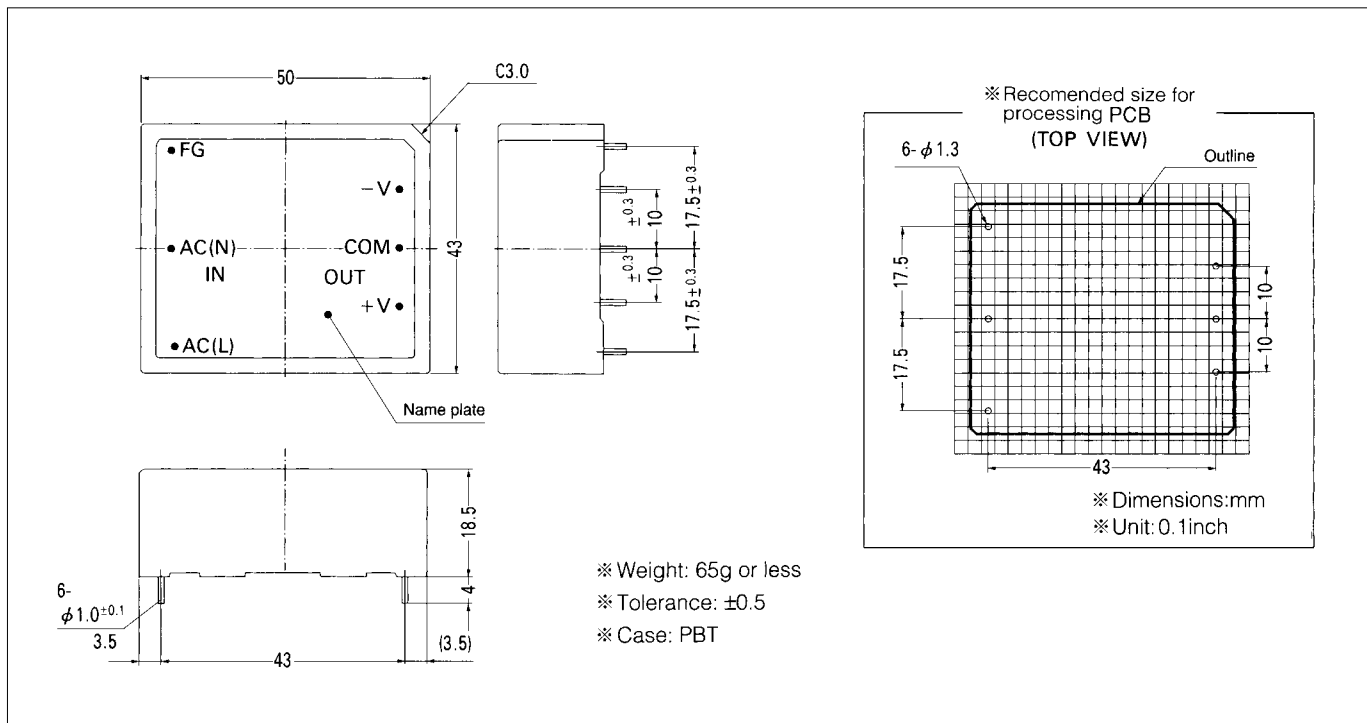
Output pins can be connected in series to make a 24V/ 30V output.

	MODEL	YW512	YW515
INPUT	VOLTAGE/ CURRENT	AC85~132V 1 ^φ or DC110~170V/ 0.13A typ(ACIN 100V, Io=100%)	
	FREQUENCY	47~440Hz or DC	
	INRUSH CURRENT	15A typ(ACIN 100V, Io=100%)	
	EFFICIENCY	70% typ(ACIN 100V, Io=100%)	
OUTPUT	VOLTAGE [V]	±12(+24)	±15(+30)
	CURRENT [A]	0.22	0.17
	LINE REGULATION [mV]	60max	75max
	LOAD REGULATION [mV]	600max	750max
	RIPPLE [mVp-p]	120max	120max
	RIPPLE NOISE [mVp-p]	150max	150max
	TEMPERATURE COEFFICIENT 0~55°C [mV]	150max	180max
	START-UP TIME [mS]	200max(ACIN 85V, Io=100%)	
	OUTPUT VOLTAGE SET(FIXED) [%]	±5max(Rated input/ output, Ta=25 [°])	
	HOLD-UP TIME [mS]	10typ(ACIN 85V, Io=100%)	
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Work over 105% of rating and recovers automatically	
ISOLATION	INPUT-OUTPUT INPUT-FG	AC2,000V, 1 minute, Cutoff current = 10mA, DC500V, 50M ^Ω min. (At Room Temperature)	
	OUTPUT-FG	AC 500V, 1 minute, Cutoff current = 100mA, DC500V, 50M ^Ω min. (At Room Temperature)	
ENVIRONMENT	OPERATING TEMP. AND HUMID.	- 10~+70 [°] , 20~95%RH(Non condensing) (Refer to DERATING CURVE)	
	STORAGE TEMP. AND HUMID.	- 20~+75 [°] , 20~95%RH(Non condensing)	
	VIBRATION	10~55Hz, 10G, 3 minutes period, 30 minutes each along X, Y and Z axis	
	IMPACT	50G, 11 mS, once each X, Y and Z axis	
SAFETY AND NOISE REGULATIONS	SAFETY	Recognized UL1950(D3) , certified CSA Electrical Bulletin1402C	
	CONDUCTED NOISE	Complies with FCC-B	

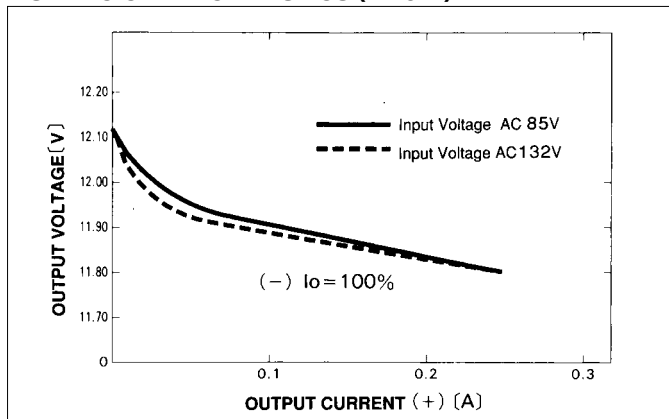
The output specification is at ±12V and ±15V.
Parallel operation with other model is not possible.

MODEL	YW512	YW515
OUTPUT VOLTAGE [V]	±12 (24)	±15 (30)
OUTPUT CURRENT [A]	0.22	0.17

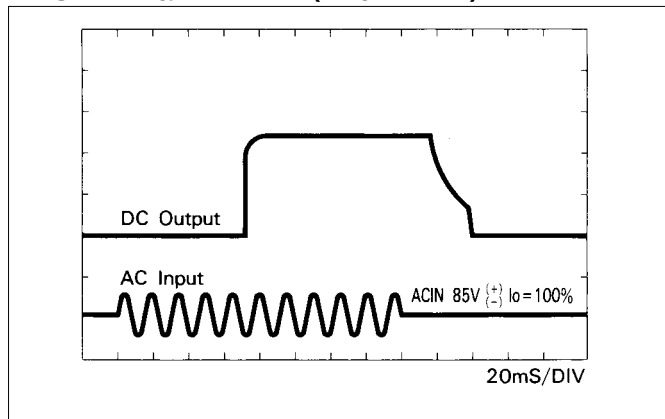
EXTERNAL VIEW



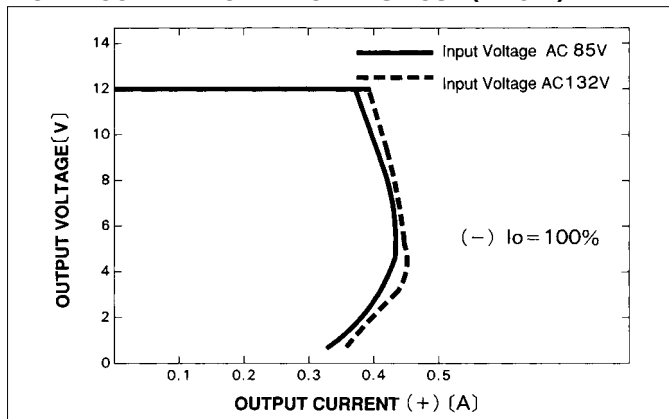
STATIC CHARACTERISTICS (YW512)



RISE TIME & FALL TIME (YW512: +12V)



OVERCURRENT CHARACTERISTICST (YW512)



DERATING CURVE

