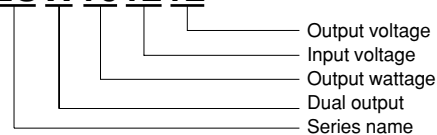




- Thin profile
- Isolated between input-output
- Built-in overcurrent protection circuit
- UL recognized, TÜV approved, CSA certified
- Five-year warranty

ORDERING INFORMATION

ZUW101212



SPECIFICATIONS

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

	MODEL	ZUW100512	ZUW100515	ZUW101212	ZUW101215	ZUW102412	ZUW102415	ZUW104812	ZUW104815	
INPUT	VOLTAGE [V]	DC4.5~9		DC9~18		DC18~36		DC36~72		
	CURRENT [A]※1	2.24 typ	2.40 typ	1.12 typ	1.09 typ	0.56 typ	0.55 typ	0.28 typ	0.28 typ	
	EFFICIENCY [%]※1	75 typ	75 typ	81 typ	81 typ	81 typ	81 typ	81 typ	81 typ	
OUTPUT	VOLTAGE [V]	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	
	CURRENT [A]	0.35	0.30	0.45	0.35	0.45	0.35	0.45	0.35	
	LINE REGULATION [mV]	60max	75max	60max	75max	60max	75max	60max	75max	
	LOAD REGULATION [mV]	600max	750max	600max	750max	600max	750max	600max	750max	
	RIPPLE ※3 [mVp-p]	120max	120max	120max	120max	120max	120max	120max	120max	
	RIPPLE NOISE ※3 [mVp-p]	150max	150max	150max	150max	150max	150max	150max	150max	
	TEMPERATURE REGULATION -20~+55°C [mV]	150max	180max	150max	180max	150max	180max	150max	180max	
	DRIFT [mV]※2	50max	60max	50max	60max	50max	60max	50max	60max	
	START-UP TIME [ms]	20max (Minimum input, I _o = 100 %)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE [V]	FIXED								
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105 % of rating and recovers automatically.								
ISOLATION	INPUT-OUTPUT	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)								
	INPUT-CASE	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)								
	OUTPUT-CASE	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP. HUMID. AND ALTITUDE	-20~+71°C, 20~95%RH (Non condensing) (Refer to DERATING CURVE) , 3,000m (10,000feet) max								
	STORAGE TEMP. HUMID. AND ALTITUDE	-40~+85°C, 20~95%RH (Non condensing) , 9,000m (30,000feet) max								
	VIBRATION	10~55Hz, 98.0m/s ² (10G) , 3 minutes period, 60 minutes each along X, Y and Z axis								
	IMPACT	490.3m/s ² (50G) , 11ms, once each X, Y and Z axis								
SAFETY	AGENCY APPROVALS	UL1950, EN60950, CSA C22.2 No.950 Complies with IEC60950								

※1 Rated input 5V, 12V, 24V or 48V DC, I_o=100%.

※2 The drift is a change at 25°C of ambient temperature and 30 minutes-8 hours after the input voltage applied at rated input/output.

※3 Measured by 20MHz oscilloscope.

※ The output specification is at ±12V and ±15V.

※ Series/Parallel operation with other model is not possible.