



- ① Series name
- ② Autoranging input
- ③ Output wattage
- ④ Single output
- ⑤ Output voltage
- ⑥ Optional
- C :with Coating
- F :with Fan unit
- G :Low leakage current

The forced air with the fan is necessary.

MODEL	UAW500S-3	UAW500S-5	UAW500S-12	UAW500S-24
MAX OUTPUT WATTAGE[W]	300	500	516	528
DC OUTPUT	3V 100A	5V 100A	12V 43A	24V 22A

SPECIFICATIONS

	MODEL	UAW500S-3	UAW500S-5	UAW500S-12	UAW500S-24	
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1 φ (Auto-selectable)				
	CURRENT[A]	ACIN 100V	12typ (Io=100%)			
		ACIN 200V	6.5typ (Io=100%)			
	FREQUENCY[Hz]	50/60 (47 - 63)				
	EFFICIENCY[%]	70typ		77typ	80typ	83typ
	INRUSH CURRENT[A]	ACIN 100V	15/40typ (Io=100%) (Primary Surge Current/Secondary Surge Current)			
		ACIN 200V	30/40typ (Io=100%) (Primary Surge Current/Secondary Surge Current)			
LEAKAGE CURRENT[ma]	0.75max (60Hz, According to UL, CSA and VDE)					
OUTPUT	VOLTAGE[V]	3	5	12	24	
	CURRENT[A]	100	100	43	22	
	LINE REGULATION[mV]	40max	40max	80max	100max	
	LOAD REGULATION[mV]	80max	80max	120max	160max	
	RIPPLE[mVp-p]	0 to +50°C *1	100max	100max	120max	120max
		-10 - 0°C *1	120max	120max	150max	150max
	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max
		-10 - 0°C *1	180max	180max	200max	200max
	TEMPERATURE REGULATION[mV]	40max	50max	160max	200max	
	DRIFT[mV]	*2	12max	20max	48max	96max
	START-UP TIME[ms]	800max (ACIN 85/170V, Io=100%)				
HOLD-UP TIME[ms]	10typ (ACIN 85/170V, Io=100%) 20typ (ACIN 100/200V, Io=100%)					
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	2.85 - 3.6		+10%, -5%			
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically				
	OVERVOLTAGE PROTECTION	4.00 - 5.25V	Works at 115 - 140% of rating			
	OPERATING INDICATION	LED (Green)				
	REMOTE SENSING	Provided				
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature)				
	INPUT-FG	AC2,000V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature)				
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)				
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +60°C, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max				
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 10 - 90%RH (Non condensing), 9,000m (30,000feet) max				
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis				
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis				
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL1950, CSA C22.2 No.234, EN60950, VDE0160 Complies with IEC950				
	CONDUCTED NOISE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B				
OTHERS	CASE SIZE/WEIGHT	140 x 45 x 278 (308) mm (without terminal block) (W x H x D) /2.4kg max, 2.6kg max (with fan unit)				
	COOLING METHOD	Forced air				

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN:RM101).

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.