



- ① Series name
- ② Universal input
- ③ Output wattage
- ④ Single output
- ⑤ Output voltage
- ⑥ Optional
- C :with Coating
- F :with Fan unit
- G :Low leakage current
- R :with Remote ON/OFF

The forced air with the fan is necessary.

MODEL	UAF500S-3	UAF500S-5	UAF500S-12	UAF500S-24	UAF500S-48
MAX OUTPUT WATTAGE[W]	300	500	516	528	528
DC OUTPUT	3V 100A	5V 100A	12V 43A	24V 22A	48V 11A

SPECIFICATIONS

	MODEL	UAF500S-3	UAF500S-5	UAF500S-12	UAF500S-24	UAF500S-48	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ (Rated input:AC100 / 200)					
	CURRENT[A]	ACIN 100V	4.5typ (Io=100%)	6.8typ (Io=100%)			
		ACIN 200V	2.3typ (Io=100%)	3.4typ (Io=100%)			
	FREQUENCY[Hz]	50/60 (47 - 63)					
	EFFICIENCY[%]	67typ	74typ	77typ	77typ	80typ	
	POWER FACTOR	0.99typ (At rated input/output)					
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)				
ACIN 200V		30typ (Io=100%)					
LEAKAGE CURRENT[ma]	0.75max						
OUTPUT	VOLTAGE[V]	3	5	12	24	48	
	CURRENT[A]	100	100	43	22	11	
	LINE REGULATION[mV]	40max	40max	80max	100max	192max	
	LOAD REGULATION[mV]	80max	80max	120max	160max	300max	
	RIPPLE[mVp-p]	0 to +50°C *1	100max	100max	120max	120max	150max
		-10 - 0°C *1	120max	120max	150max	150max	200max
	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max	350max
		-10 - 0°C *1	180max	180max	200max	200max	400max
	TEMPERATURE REGULATION[mV]	40max	50max	160max	200max	480max	
	DRIFT[mV]	*2	12max	20max	48max	96max	192max
	START-UP TIME[ms]	800max (ACIN 85V, Io=100%)					
HOLD-UP TIME[ms]	30typ	20typ					
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					
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2					
OTHERS	CASE SIZE/WEIGHT	140×45×278 (308) mm (without terminal block) (W×H×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.