

The rated load current depends on cooling method that is convection cooling or forced air.

MODEL	UAW125S-3	UAW125S-5	UAW125S-12	UAW125S-24	UAW125S-48
MAX OUTPUT WATTAGE[W]	75	125	126	124.8	124.8
DC OUTPUT (Forced air)	3V 25A	5V 25A	12V 10.5A	24V 5.2A	48V 2.6A

SPECIFICATIONS

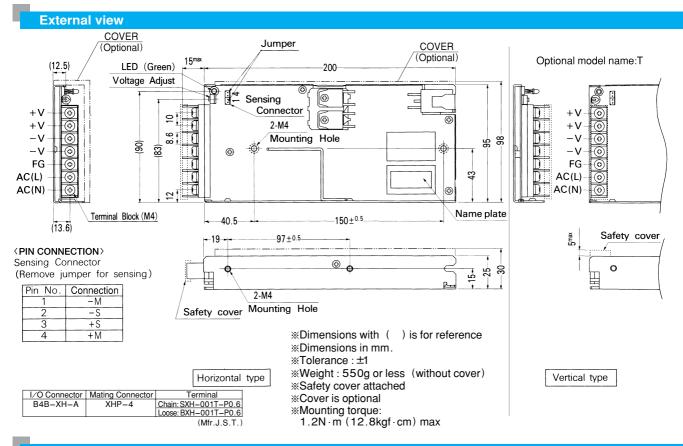
	MODEL		UAW125S-3	UAW125S-5	UAW125S-12	UAW125S-24	UAW125S-48		
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1 ¢ (Auto-selectable)						
		ACIN 100V	2.8typ (lo=100%)						
	CURRENT[A]	ACIN 200V	1.5typ (lo=100%)						
тип	FREQUENCY[Hz]		50/60 (47 - 63)						
INPUT	EFFICIENCY[%]		72typ	78typ	82typ	85typ	85typ		
	INRUSH CURRENT[A]	ACIN 100V	30typ (lo=100%) (At	t cold start)					
	ACI		60typ (lo=100%) (At cold start)						
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to UL, CSA and VDE)						
	VOLTAGE[V]		3	5	12	24	48		
	CURRENT[A]	Forced air	25	25	10.5	5.2	2.6		
	CONNENT[A]	Convection	20	20	8.5	4.5	2.2		
	LINE REGULATION	V[mV]	20max	20max	48max	96max	192max		
	LOAD REGULATIO	N[mV]	40max	40max	100max	150max	300max		
		0 to +50℃ *1	80max	80max	120max	120max	150max		
	RIPPLE[mVp-p]	-10 - 0°C *1	100max	100max	150max	150max	200max		
		0 to +50℃ *1	120max	120max	150max	150max	200max		
	RIPPLE NOISE[mVp-p]	-10 - 0°C *1	180max	180max	200max	200max	250max		
·	TEMPERATURE REGULAT	TION[mV]	40max	50max	120max	240max	480max		
	DRIFT[mV] *2		12max	20max	48max	96max	192max		
	START-UP TIME[ms]		500max (ACIN 85/170V, Io=100%)						
	HOLD-UP TIME[ms]		10typ (ACIN 85/170V, lo=100%) 20typ (ACIN 100/200V, lo=100%)						
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6 +10%, -5%						
	OVERCURRENT PROT	ECTION	Vorks over 105% of rating and recovers automatically						
ROTECTION	OVERVOLTAGE PROTE	ECTION	4.00 - 5.25V Works at 115 - 140% of rating						
DTHERS	OPERATING INDIC	ATION	LED (Green)						
	REMOTE SENSING	à	Provided						
	INPUT-OUTPUT		AC3.000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
SOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)						
	OPERATING TEMP.,HUMID.AND	ALTITUDE	-10 to +55°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						
	AGENCY APPROV	ALS	UL60950-1, CSA C2	22.2 No.234, EN609	950-1, EN50178 Com	plies with IEC60950-	1		
REGULATIONS	CONDUCTED NOIS	SE	Complies with FCC-						
	CASE SIZE/WEIGH	IT	95×25×200mm (w	ithout terminal bloc	k) (W×H×D) / 550g	max (without cover)			
OTHERS	COOLING METHO	D	Convection/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.
*3 Please contact us about safety approvals for the model with option.

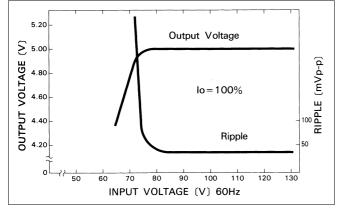


UAW

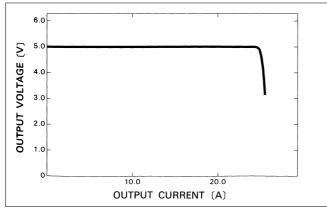


Performance data

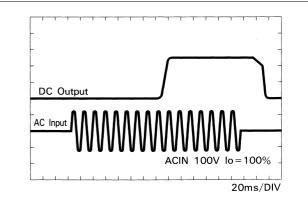
STATIC CHARACTERISTICS (UAW125S-5)



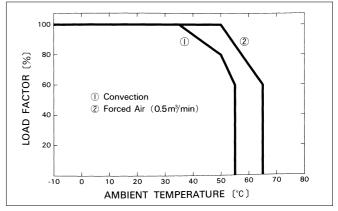
OVERCURRENT CHARACTERISTICS (UAW125S-5)

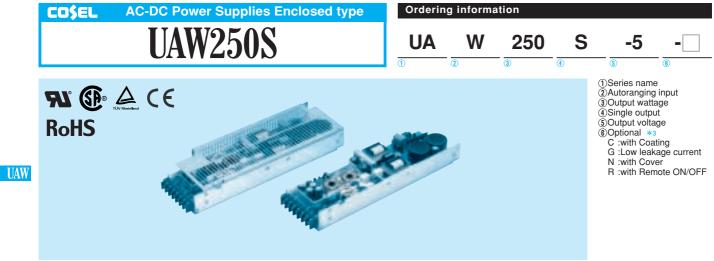


RISE TIME & FALL TIME (UAW125S-5)



DERATING CURVE





Please refer to derating curve, because the rated load current depends on cooling method that is convection cooling or forced air.

MODEL	UAW250S-3	UAW250S-5	UAW250S-12	UAW250S-24	UAW250S-48
MAX OUTPUT WATTAGE[W]	150	250	258	264	249.6
DC OUTPUT	3V 50A	5V 50A	12V 21.5A	24V 11A	48V 5.2A

SPECIFICATIONS

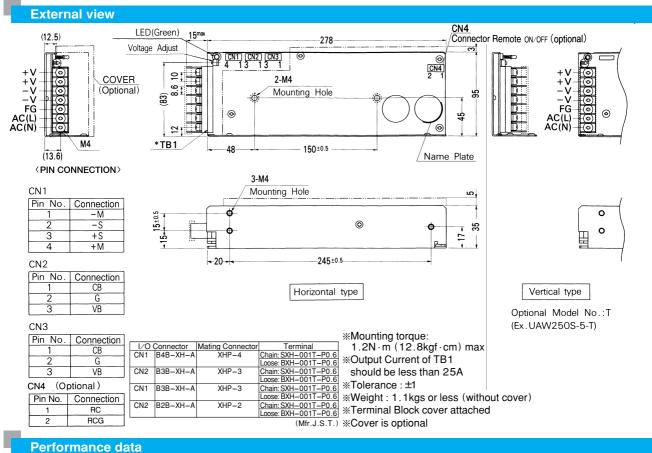
	MODEL		UAW250S-3	UAW250S-5	UAW250S-12	UAW250S-24	UAW250S-48		
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1 ¢ (Auto-selectable)						
INPUT	ACIN 100V		/ 6typ (lo=100%)						
	CURRENT[A]	ACIN 200V	3typ (lo=100%)						
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		70typ	77typ	80typ	83typ	83typ		
		ACIN 100V	15/40typ (lo=100%)	(Primary Surge Cu	rrent/Secondary Surg	je Current)	•		
	INRUSH CURRENT[A]	ACIN 200V	30/40typ (Io=100%) (Primary Surge Current/Secondary Surge Current)						
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to UL, CSA and VDE)						
	VOLTAGE[V]		3	5	12	24	48		
	CURRENT[A]		50	50	21.5	11	5.2		
	LINE REGULATIO	N[mV]	40max	40max	80max	100max	192max		
	LOAD REGULATIO	N[mV]	80max	80max	120max	160max	300max		
		0 to +50℃ *1	80max	80max	120max	120max	150max		
	RIPPLE[mVp-p]	-10 - 0°C *1	120max	120max	150max	150max	200max		
UTPUT		0 to +50℃ * 1	120max	120max	150max	150max	350max		
	RIPPLE NOISE[mVp-p]	-10 - 0°C *1	180max	180max	200max	200max	400max		
	TEMPERATURE REGULA	TION[mV]	40max	50max	120max	240max	480max		
	DRIFT[mV]	*2	12max	20max	48max	96max	192max		
	START-UP TIME[ms]		800max (ACIN 85/170V, lo=100%)						
	HOLD-UP TIME[ms]		10typ (ACIN 85/170V, lo=100%) 20typ (ACIN 100/200V, lo=100%)						
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6 +10%, -5%						
	OVERCURRENT PROT								
ROTECTION RCUIT AND	OVERVOLTAGE PROT	ECTION	4.00 - 5.25V	Works at 115 - 14	0% of rating				
THERS	OPERATING INDIC	ATION							
	REMOTE SENSING	G	Provided						
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
OLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
	OUTPUT-FG		AC500V 1minute, C	utoff current = 100r	mA, DC500V 50M Ω r	, DC500V 50M Ω min (At Room Temperature)			
	OPERATING TEMP.,HUMID.AND) ALTITUDE	-10 to +55°C, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
IVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75℃, 10 - 9	0%RH (Non conde	%RH (Non condensing), 9,000m (30,000feet) max				
	VIBRATION		10 - 55Hz, 19.6m/s	- 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						
AFETY AND OISE	AGENCY APPROV	ALS	UL60950-1, CSA C22.2 No.234, EN60950-1, EN50178 Complies with IEC60950-1						
EGULATIONS	CONDUCTED NO	SE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B						
THERS	CASE SIZE/WEIGH	IT	95×35×278mm (w	vithout terminal bloc	k) (W×H×D) /1.1kg	max (without cover)			
IDERO	COOLING METHO	-	Convection/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.

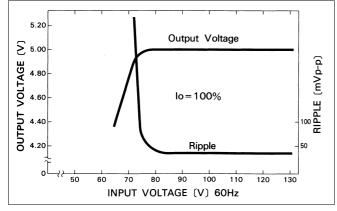
*3 Please contact us about safety approvals for the model with option.

UAW250S | CO\$EL

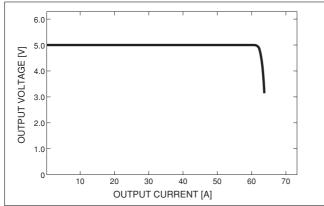
UAW



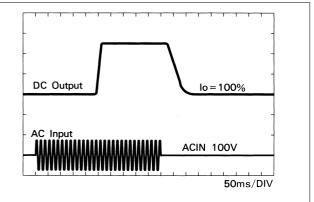
STATIC CHARACTERISTICS (UAW250S-5)



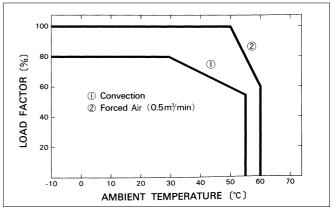
OVERCURRENT CHARACTERISTICS (UAW250S-5)



RISE TIME & FALL TIME (UAW250S-5)



DERATING CURVE





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

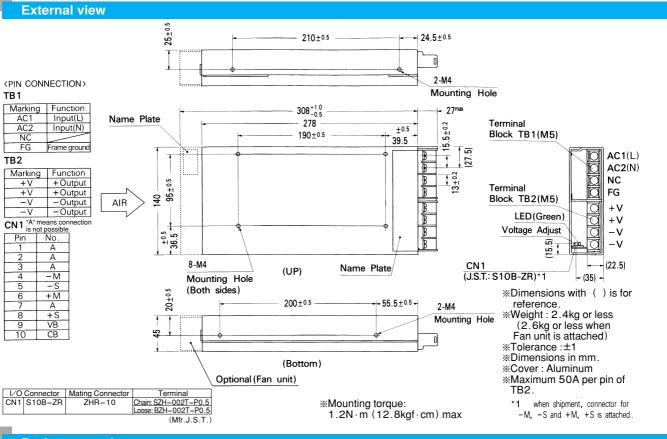
	MODEL		UAW500S-3	UAW500S-5	UAW500S-12	UAW500S-24			
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1	ϕ (Auto-selectable)					
INPUT		ACIN 100V	12typ (lo=100%)						
	CURRENT[A]	ACIN 200V	6.5typ (lo=100%)						
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		70typ	77typ	80typ	83typ			
	INRUSH CURRENT[A]	ACIN 100V	15/40typ (lo=100%) (Prim	ary Surge Current/Secon	dary Surge Current)	LL			
		ACIN 200V	30/40typ (lo=100%) (Prim	ary Surge Current/Secon	dary Surge Current)				
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to UL, CSA and VDE)						
	VOLTAGE[V]		3	5	12	24			
	CURRENT[A]		100	100	43	22			
	LINE REGULATION	N[mV]	40max	40max	80max	100max			
	LOAD REGULATIO	N[mV]	80max	80max	120max	160max			
	RIPPLE[mVp-p]	0 to +50℃ *1	100max	100max	120max	120max			
	nirree[iiivp-p]	-10 - 0°C *1	120max	120max	150max	150max			
UTPUT		0 to +50℃ *1	120max	120max	150max	150max			
	RIPPLE NOISE[mVp-p]	-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, lo=100%) 20typ (ACIN 100/200V, lo=100%)						
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]								
			Works over 105% of rating and recovers automatically						
ROTECTION RCUIT AND	OVERVOLTAGE PROTECTION		4.00 - 5.25V Works at 115 - 140% of rating						
THERS	OPERATING INDIC	ATION							
	REMOTE SENSING	G	Provided						
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = $25mA$, DC500V $50M\Omega$ min (At Room Temperature)						
OLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)						
	OPERATING TEMP.,HUMID.AND	ALTITUDE	-10 to +60°C, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
VIRONMENT	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						
AFETY AND	AGENCY APPROV	ALS	UL60950-1, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1						
EGULATIONS	CONDUCTED NOIS	SE	Complies with FCC-B, CI	SPR22-B, EN55022-B, VC	CI-B				
TUEDO	CASE SIZE/WEIGH	IT	140×45×278 (308) mm	(without terminal block) (W	V × H × D) /2.4kg max, 2	.6kg max (with fan unit)			
OTHERS	COOLING METHO	D	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.

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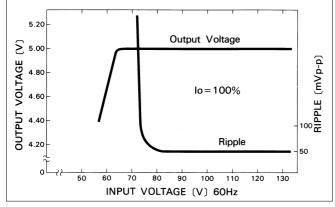


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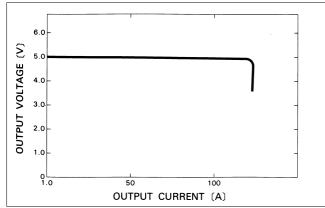


Performance data

STATIC CHARACTERISTICS (UAW500S-5)



OVERCURRENT CHARACTERISTICS (UAW500S-5)



RISETIME & FALL TIME (UAW500S-5)

