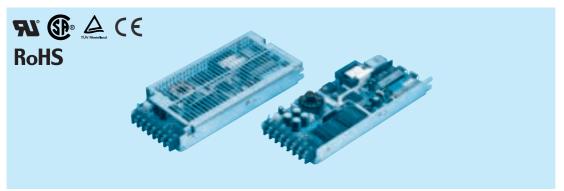
UAW125S

Ordering information



(1) Series name (2) Autoranging input (3) Output wattage (4) Single output

(§)Output voltage (§)Optional *3 C:with Coating G:Low leakage current

N :with Cover

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

UAW

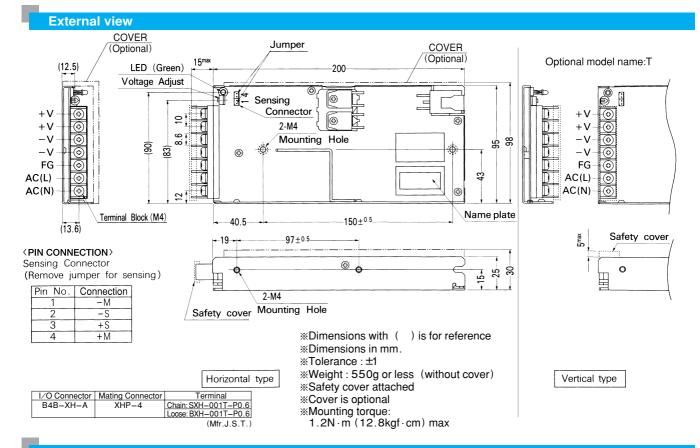
	MODEL		UAW125S-3	UAW125S-5	UAW125S-12	UAW125S-24	UAW125S-48		
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1 φ (Auto-selectable)						
INPUT	CUDDENTIAL	ACIN 100V	2.8typ (lo=100%)						
	CURRENT[A]	ACIN 200V	1.5typ (lo=100%)						
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		72typ	78typ	82typ	85typ	85typ		
	INRUSH CURRENT[A]	ACIN 100V	30typ (lo=100%) (At	cold start)					
	ACIN 20		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		
	CONNENTIAL	Convection	20	20	8.5	4.5	2.2		
	LINE REGULATION		20max	20max	48max	96max	192max		
	LOAD REGULATION	N[mV]	40max	40max	100max	150max	300max		
	RIPPLE[mVp-p]	0 to +50°C *1	80max	80max	120max	120max	150max		
UTPUT	······································	-10 - 0℃ *1	100max	100max	150max	150max	200max		
	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max	200max		
	mrrec Noise[iiivp-p]	-10 - 0℃ *1	180max	180max	200max	200max	250max		
	TEMPERATURE REGULATION[mV]		40max	50max	120max	240max	480max		
	DRIFT[mV]	*2	12max	20max	48max	96max	192max		
	START-UP TIME[m	s]	500max (ACIN 85/170V, Io=100%)						
	HOLD-UP TIME[ms]		10typ (ACIN 85/170V, Io=100%) 20typ (ACIN 100/200V, Io=100%)						
	OUTPUT VOLTAGE ADJUSTMENT	T RANGE[V]							
	OVERCURRENT PROT		The state of the s						
ROTECTION IRCUIT AND	OVERVOLTAGE PROTI	ECTION	4.00 - 5.25V Works at 115 - 140% of rating						
THERS	OPERATING INDIC	ATION	LED (Green)						
	REMOTE SENSING		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 50MΩ min (At Room Temperature)						
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)						
			-10 to +55℃, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
NVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75°C, 10 - 90%RH (Non condensing), 9,000m (30,000feet) max						
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT 196.1m/s² (20G), 11ms, once each X, Y and Z axis								
IOISE	AGENCY APPROV			22.2 No.234, EN6095		lies with IEC60950-1			
EGULATIONS	CONDUCTED NOIS			B, CISPR22-B, EN5					
THERS	CASE SIZE/WEIGH		95×25×200mm (without terminal block) (W×H×D) / 550g max (without cover)						
	COOLING METHO	D	Convection/Forced air						

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

UAW-2 June 29, 2011

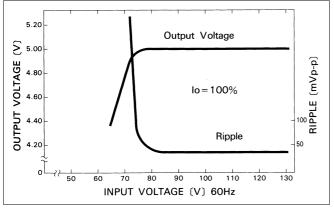
^{*2} Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
*3 Please contact us about safety approvals for the model with option.



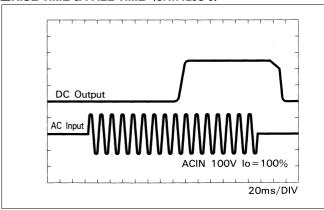


Performance data

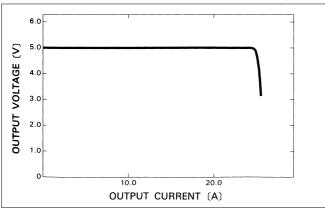
■STATIC CHARACTERISTICS (UAW125S-5)



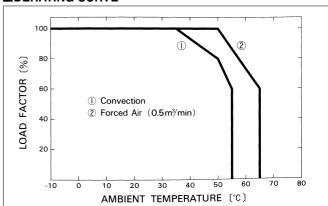
■RISE TIME & FALL TIME (UAW125S-5)





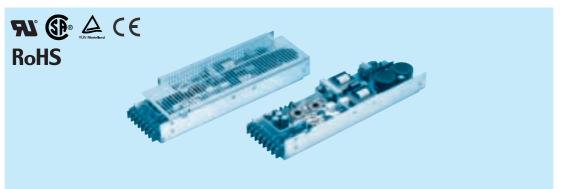


DERATING CURVE



UAW250S





①Series name ②Autoranging input ③Output wattage ④Single output

⑤Output voltage

©Optional *3
 C :with Coating
 G :Low leakage current

N :with Cover

R :with Remote ON/OFF

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

UAW

	MODEL		UAW250S-3	UAW250S-5	UAW250S-12	UAW250S-24	UAW250S-48		
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1 φ (Auto-selectable)						
INPUT	CURRENT[A]	ACIN 100V	6typ (lo=100%)						
		ACIN 200V	3typ (lo=100%)						
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		70typ	77typ	80typ	83typ	83typ		
	INBUSH CURRENUAL		15/40typ (Io=100%) (Primary Surge Current/Secondary Surge Current)						
			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 REGULATION	V[mV]	40max	40max	80max	100max	192max		
	LOAD REGULATION[mV]		80max	80max	120max	160max	300max		
	RIPPLE[mVp-p]	0 to +50°C *1	80max	80max	120max	120max	150max		
	mercelinab-b]	-10 - 0℃ *1	120max	120max	150max	150max	200max		
OUTPUT	DIDDLE MOIOEC-V1	0 to +50°C *1	120max	120max	150max	150max	350max		
	RIPPLE NOISE[mVp-p]	-10 - 0°C ∗1	180max	180max	200max	200max	400max		
	TEMPERATURE REGULAT	TION[mV]	40max	50max	120max	240max	480max		
	DRIFT[mV] *2		12max	20max	48max	96max	192max		
	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%						
	OVERCURRENT PROT	ECTION	Works over 105% of rating and recovers automatically						
PROTECTION CIRCUIT AND	OVERVOLTAGE PROTECTION		4.00 - 5.25V Works at 115 - 140% of rating						
THERS	OPERATING INDICATION		LED (Green)						
	REMOTE SENSING		Provided						
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 25mA, DC500V 50MΩ 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						
NVIRONMENT	STORAGE TEMP.;HUMID.AND ALTITUDE		-20 to +75°C, 10 - 90%RH (Non condensing), 9,000m (30,000feet) max						
INVINUNINENI	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis						
AFETY AND	AGENCY APPROV	ALS	UL60950-1, CSA C22.2 No.234, EN60950-1, EN50178 Complies with IEC60950-1						
REGULATIONS	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B						
OTHERS	CASE SIZE/WEIGH	łT	95×35×278mm (without terminal block) (W×H×D) /1.1kg max (without cover)						
JI HEKO	COOLING METHOD		Convection/Forced air						

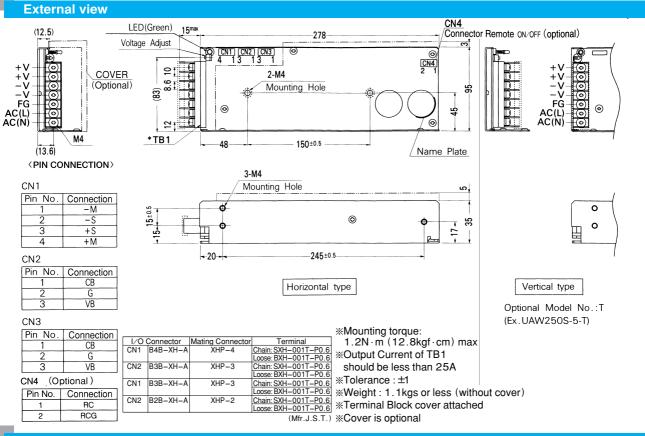
*3 Please contact us about safety approvals for the model with option.

UAW-4 June 29, 2011

^{*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.

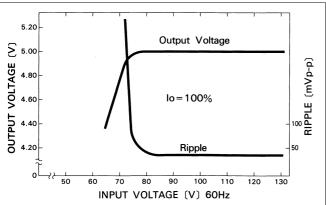




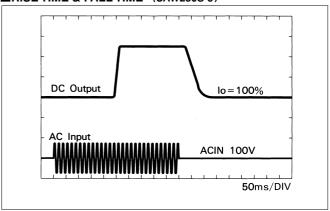


Performance data

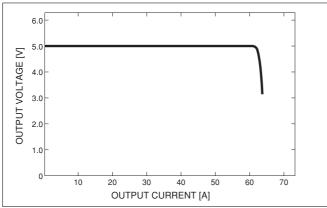
■STATIC CHARACTERISTICS (UAW250S-5)



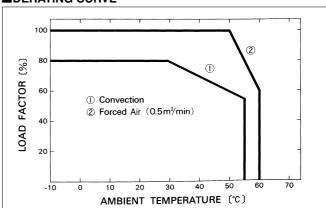
■RISE TIME & FALL TIME (UAW250S-5)







DERATING CURVE



June 29, 2011 UAW-5

UAW500S

Ordering information

500





(1) Series name (2) Autoranging input (3) Output wattage (4) Single output

⑤Output voltage

®Optional *3
 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

UAW

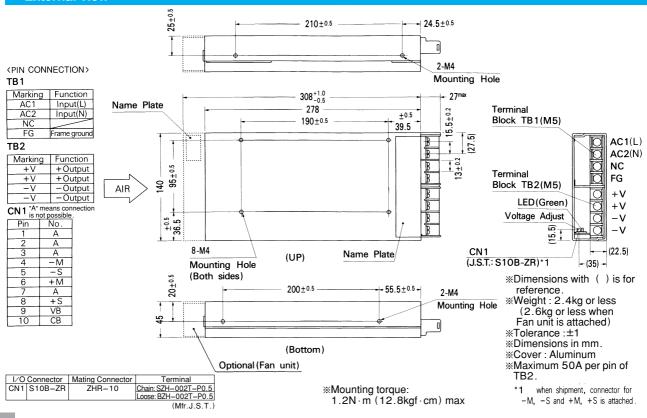
	MODEL		UAW500S-3	UAW500S-5	UAW500S-12	UAW500S-24			
	VOLTAGE[V]		AC85 - 132 / 170 - 264 1	φ (Auto-selectable)	·	·			
INPUT	OUDDENTIAL	ACIN 100V	12typ (lo=100%)						
	CURRENT[A]	ACIN 200V	6.5typ (Io=100%)						
	FREQUENCY[Hz]		50/60 (47 - 63)						
	EFFICIENCY[%]		70typ	77typ	80typ	83typ			
	INDUCTI OLIDDENTIAL	ACIN 100V	15/40typ (lo=100%) (Prim	ary Surge Current/Se	condary Surge Current)				
	INRUSH CURRENT[A]	ACIN 200V	30/40typ (lo=100%) (Prim	ary Surge Current/Se	condary Surge Current)				
	LEAKAGE CURREN	NT[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°C *1	100max	100max	120max	120max			
	nirric[iiivp-p]	-10 - 0℃ *1	120max	120max	150max	150max			
UTPUT	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max			
		-10 - 0℃ *1	180max	180max	200max	200max			
	TEMPERATURE REGULATION[mV]		40max	50max	160max	200max			
	DRIFT[mV] *		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]								
	OVERCURRENT PROT	ECTION	Works over 105% of ratin	g and recovers autom	atically				
ROTECTION RCUIT AND	OVERVOLTAGE PROTE	ECTION	4.00 - 5.25V Works at 115 - 140% of rating						
THERS	OPERATING INDICATION		()						
	REMOTE SENSING		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, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)						
	OPERATING TEMP.,HUMID.AND ALTITUDE		3, () 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
IVIRONMENT	STORAGE TEMP.;HUMID.AND ALTITUDE		<u> </u>						
WIII ON WILLY	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis						
IOISE	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1						
EGULATIONS	CONDUCTED NOIS	SE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B						
THERS	CASE SIZE/WEIGH	łT	140 x 45 x 278 (308) mm (without terminal block) (W x H x 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.

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

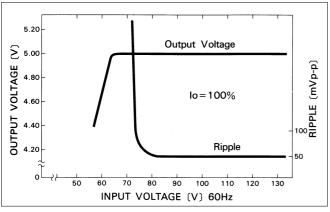
UAW-6 June 29, 2011



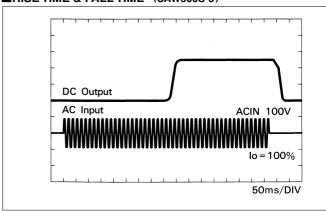


Performance data

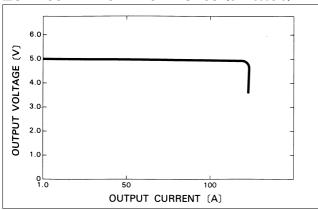
■STATIC CHARACTERISTICS (UAW500S-5)



■RISETIME & FALLTIME (UAW500S-5)







■DERATING CURVE

