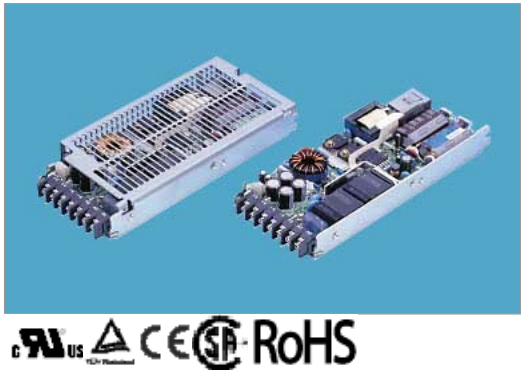


UAW125S



Features

- Autoranging input
- UL recognized, TV approved, CSA certified
- Built-in Inrush Current Protection
- Remote sensing
- Parallel and Master-Slave operation
- Thin profile
- Built-in Over Current Protection
- Built-in Over Voltage Protection
- RoHS Compliant

Safety Agency Approvals

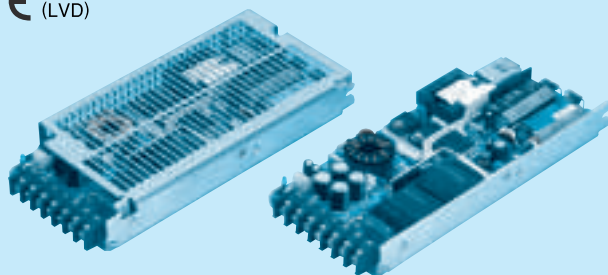
UL1950, CSA C22.2 No.234, EN60950, VDE0160

EMI Compliance

- FCC-B
- CISPR22-B
- EN55022-B
- VCCI-B

3 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
UAW125S-3	AC 85 - 264	75	3V 25A
UAW125S-5	AC 85 - 264	125	5V 25A
UAW125S-12	AC 85 - 264	126	12V 10.5A
UAW125S-24	AC 85 - 264	124.8	24V 5.2A
UAW125S-48	AC 85 - 264	124.8	48V 2.6A



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

Please refer to derating curve, because the rated load current depends on cooling method that is convention 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	3V 25A	5V 25A	12V 10.5A	24V 5.2A	48V 2.6A

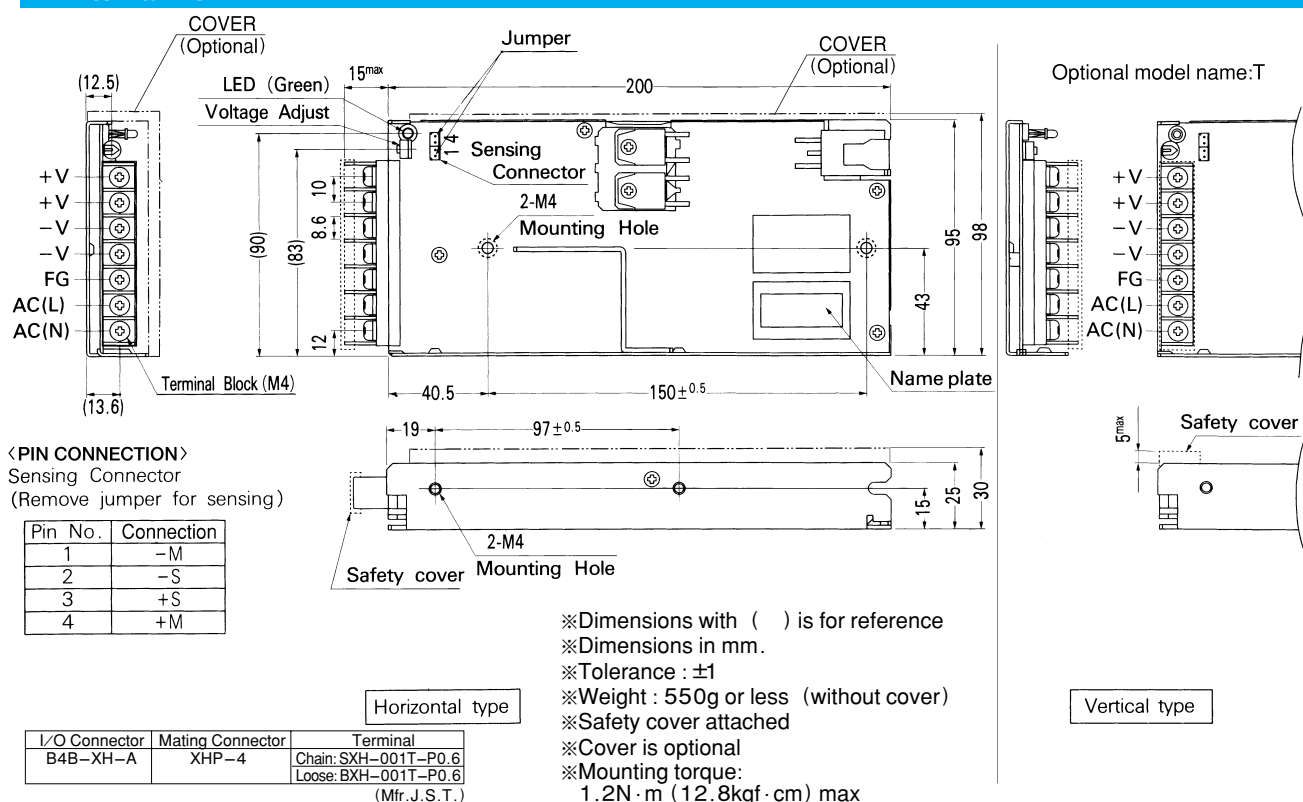
SPECIFICATIONS

	MODEL	UAW125S-3	UAW125S-5	UAW125S-12	UAW125S-24	UAW125S-48	
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1 ϕ (Auto-selectable)					
	CURRENT[A]	ACIN 100V	2.8typ (Io=100%)				
		ACIN 200V	1.5typ (Io=100%)				
	FREQUENCY[Hz]	50/60 (47 - 63)					
	EFFICIENCY[%]	72typ		78typ	82typ	85typ	85typ
	INRUSH CURRENT[A]	ACIN 100V	30typ (Io=100%) (At cold start)				
ACIN 200V		60typ (Io=100%) (At cold start)					
	LEAKAGE CURRENT[ma]	0.75max (60Hz, According to UL, CSA and VDE)					
OUTPUT	VOLTAGE[V]	3	5	12	24	48	
	CURRENT[A]	25	25	10.5	5.2	2.6	
	LINE REGULATION[mV]	20max	20max	48max	96max	192max	
	LOAD REGULATION[mV]	40max	40max	100max	150max	300max	
	RIPPLE[mVp-p]	0 to +50℃ *1	80max	80max	120max	120max	150max
		-10 - 0℃ *1	100max	100max	150max	150max	200max
	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	120max	120max	150max	150max	200max
		-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[ms]	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 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 +55℃, 10 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 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					
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, CSA C22.2 No.234, EN60950-1, EN50178 Complies with IEC60950-1					
	CONDUCTED NOISE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B					
OTHERS	CASE SIZE/WEIGHT	95 x 25 x 200mm (without terminal block) (W x H x D) / 550g max (without cover)					
	COOLING METHOD	Convection/Forced air					

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

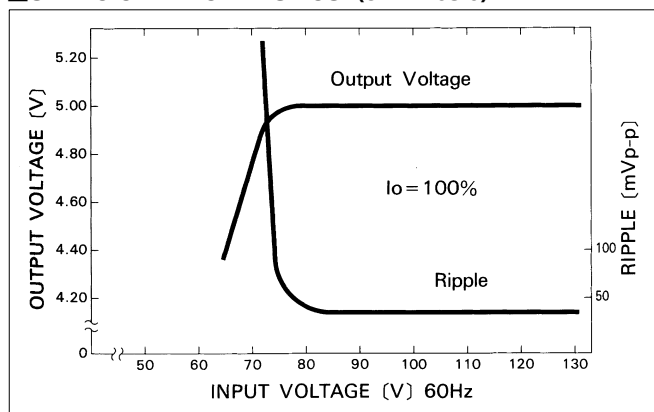
*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

External view

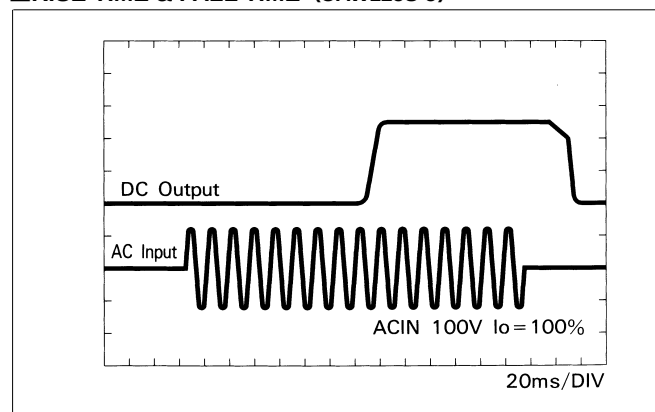


Performance data

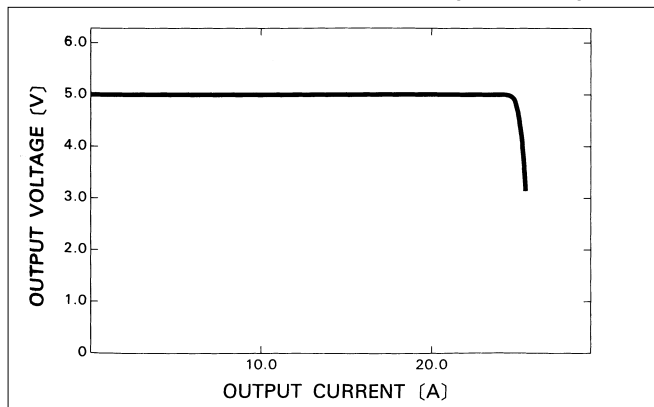
■ STATIC CHARACTERISTICS (UAW125S-5)



■ RISE TIME & FALL TIME (UAW125S-5)



■ OVERCURRENT CHARACTERISTICS (UAW125S-5)



■ DERATING CURVE

