

High Power High Voltage Power Supply

WA Series

1126-01A



FEATURES

- Compact and high power
- World wide input and power factor correction circuit
- Remote control and monitor output as standard function
- CV/CC Automatic crossover
- Full protection for output short circuit and arc discharge
- Broad lineup from 1kV to 40kV, 300W/600W output

SUMMARY

WA series is a compact designed AC input high power HV power supply module. Best fit for such applications as ATE(Automatic Test Equipment), X-ray inspection system, capacitor charge. With world wide input and power factor correction circuit, WA series shall fit any place. With combination with digital controller CO series, control via GPIB, RS-232C, RS-485 and USB is available.

LINEUP

*P:Positive Polarity, N:Negative Polarity

Output Voltage (kVdc)	300W		600W	
	Output Current (mA)	MODEL	Output Current (mA)	MODEL
0 to 1	0 to 300	WA3-1*	0 to 600	WA6-1*
0 to 3	0 to 100	WA3-3*	0 to 200	WA6-3*
0 to 5	0 to 60	WA3-5*	0 to 120	WA6-5*
0 to 10	0 to 30	WA3-10*	0 to 60	WA6-10*
0 to 20	0 to 15	WA3-20*	0 to 30	WA6-20*
0 to 30	0 to 10	WA3-30*	0 to 20	WA6-30*
0 to 40	0 to 7.5	WA3-40*	0 to 15	WA6-40*

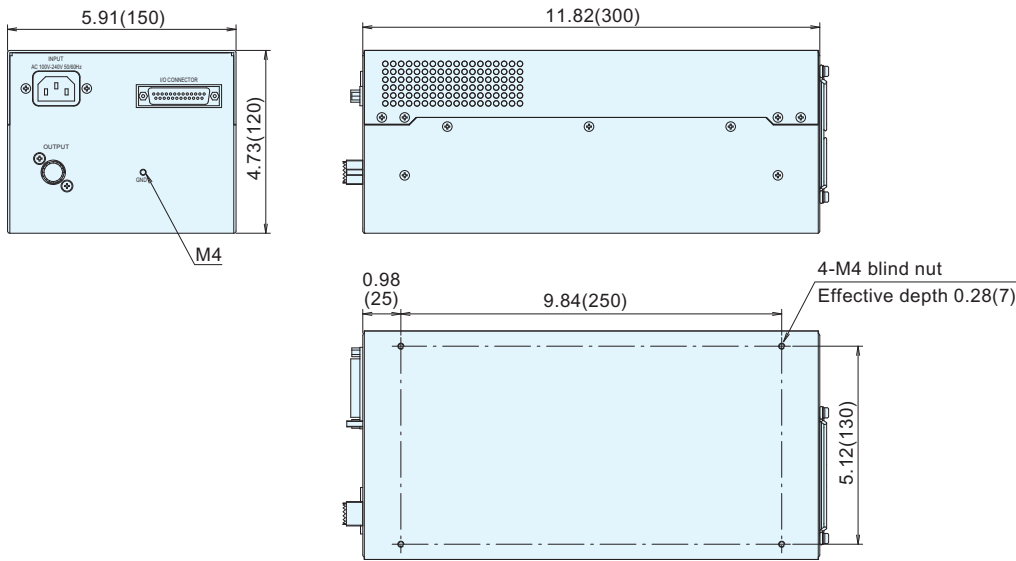
SPECIFICATIONS

Input Voltage	90 to 264VAC, 47 to 63Hz, 1Ø	Monitors	Output voltage monitor: 10V/maximum output voltage(accuracy $\pm 1\%$ FS) Output current monitor: 10V/maximum output current(accuracy $\pm 1\%$ FS)
Input Current	300W:3.3A typ. 600W:6.6A typ. (at 115VAC input and maximum output) Power factor 99% typ	Remote switch ON/OFF	SHORT=HV ON, OPEN=HV OFF (by external contact signal)
Efficiency	80% typ	Protections	Over voltage, over current protection. Protection against output short circuit and arc, over temperature
Output Control	An external voltage source 0 to 10Vdc or external 0 to 5kΩ potentiometer	Environment Conditions	Operation:0°C to +40°C Storage :-40°C to +85°C Humidity :20% to 80%RH(No condensation)
Voltage Regulation	Line : $\pm 0.02\%$ (for $\pm 10\%$ line change) Load : 0.02%(for 0 to 100% load change)	Other functions	·Door switch(by external contact signal) ·HV status signal ·10.24V reference output
Current Regulation	Line : $\pm 0.1\%$ (for $\pm 10\%$ line change) Load : 0.2%(for 0 to 100% load change)	Accessories	AC input cable (w3-pin plug) 2.5m(1) Shielded HV output cable(flying lead) 2.5m(1) I/O connector for control(Dsub 25pin)
Ripple	0.2%rms		
Stability	0.02%/H, 0.05%/8H(at constant voltage mode) 0.05%/H, 0.1%/8H(at constant current mode)		
Temperature Coef.	0.02%/°C(at constant voltage mode) 0.05%/°C(at constant current mode)		

*These specifications are at the maximum rated output after a warm-up period unless otherwise specified.
The external appearance and specifications of all products shown in this catalog are subject to change without notice.

■ DIMENSIONS inch(mm)

4.73(120)H × 5.91(150)W × 11.82(300)D *Without projection



■ AC Input Cable

CABLE TYPE 1 (Standard for WA3)	CABLE TYPE 8 (Standard for WA6)	CABLE TYPE 3 (for WA3/WA6)	CABLE TYPE 4 (for WA3/WA6)
125V / 10A	125V / 15A	250V / 10A	250V / 10A