

# Compact & High Power HV Power Supply

Compact / High power

**NEW**

## WA series

— 1kV to 40kV/300W, 600W —

- > Compact and high power
- > Worldwide 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

APPLICATIONS
* Electron Beam / Ion Beam
* Electrophoresis / Bio
* Automatic Test Equipment
* X-ray Inspection System
* Capacitor Charge



## SUMMARY

WA series is a compact 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 Worldwide 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★

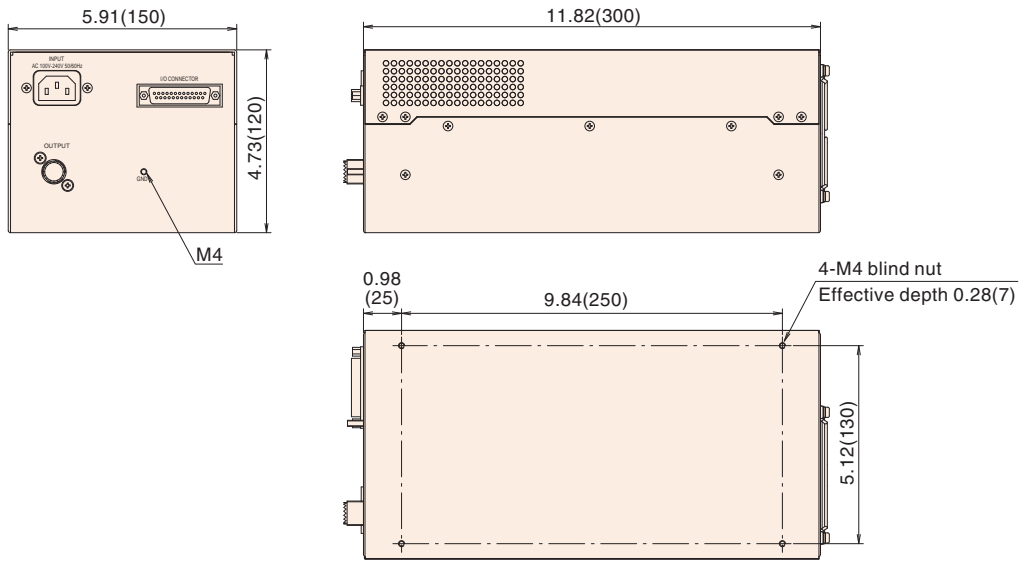
## SPECIFICATIONS

<b>Input Voltage</b>	90 to 264VAC, 47 to 63Hz, 1Ø	<b>Monitors</b>	Output voltage monitor: 10V/maximum output voltage(accuracy ±1%F.S.) Output current monitor: 10V/maximum output current(accuracy ±1%F.S.)
<b>Input Current</b>	300W:3.3A typ. 600W:6.6A typ. (at 115VAC input and maximum output) Power factor 99% typ.	<b>Remote switch ON/OFF</b>	SHORT=HV ON, OPEN=HV OFF (by external contact signal)
<b>Efficiency</b>	80% typ.	<b>Protections</b>	Over voltage, over current protection. Protection against output short circuit and arc, over temperature
<b>Output Control</b>	An external control voltage 0 to 10Vdc or external 0 to 5kΩ potentiometer	<b>Environment Conditions</b>	Operation:0°C to +40°C Storage :-40°C to +85°C Humidity :20 to 80%RH(no condensation)
<b>Voltage Regulation</b>	Line : ±0.02%(for ±10% line change) Load : 0.02%(for 0 to 100% load change)	<b>Other functions</b>	·Door switch(by external contact signal) ·HV status signal ·10.24V reference output
<b>Current Regulation</b>	Line : ±0.1%(for ±10% line change) Load : 0.2%(for 0 to 100% load change)	<b>Accessories</b>	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)
<b>Ripple</b>	0.2%rms		
<b>Stability</b>	0.02%/Hr, 0.05%/8Hr(at constant voltage mode) 0.05%/Hr, 0.1%/8Hr(at constant current mode)		
<b>Temperature Coef.</b>	200ppm/°C(at constant voltage mode) 500ppm/°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
