

ISO9001:2015



- ▶ 1kV~60kV, 10W~75W
- ▶ High stability, low noise
- ▶ Voltage-current control
- ▶ Ultra-low voltage adjustable
- ▶ Air insulation, light weight
- ▶ Overvoltage and overcurrent protection
- ▶ Security interlock function
- ▶ OEM Customization available

C  
Modules

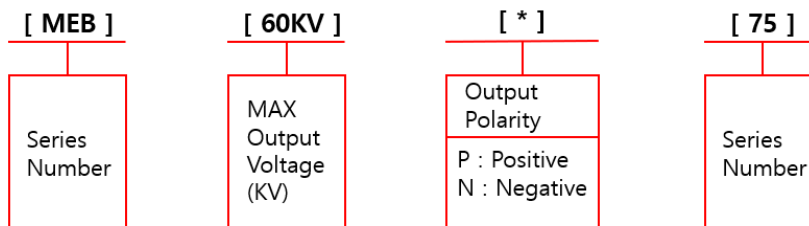
## INTRODUCTION

Wisman MEB series high voltage power supply with excellent regulatory performance, This power output is optional between 1kV and 60kV. The MEB series power supply uses air insulation under the premise of ensuring safety and stability, Great lyreduce the weigh to the power supply to make it more convenient and practical. It is allow noise, high efficiency constant voltage constant current source.

Electrostatic discharge test ESD, Cataphoresis , DNA sequence, electron beam, ion beam, Static suction plate, high voltage bias, pressure resistance test, pulse impulse power supply ,electrostatic spinning, capacitor charging, semiconductor testing, aging of electronic components , Power cable Testing, electron multiplier detector, gas chromatography, Blood analysis, cathode ray tube, Life Science, Medical chemical industry, Scientific experiments, Industrial applications.

kV	mA	P(W)	MODEL	kV	mA	P(W)	MODEL
1	75	75	MEB1*75	20	3.7	75	MEB20*75
1.5	50	75	MEB1.5*75	25	3	75	MEB25*75
2	37.5	75	MEB2*75	30	2.5	75	MEB30*75
3	25	75	MEB3*75	35	2	75	MEB35*75
5	15	75	MEB5*75	40	1.8	75	MEB40*75
10	7.5	75	MEB10*75	50	1.5	75	MEB50*75
15	5	75	MEB15*75	60	1.2	75	MEB60*75

## MEB



ISO9001:2015

## Specification

C  
modules

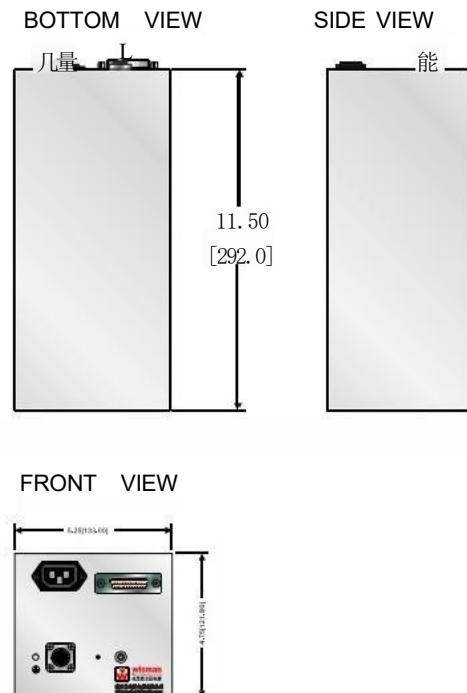
PARAMETER	DESCRIBE
Input Voltage	198Vac~253Vac(optional 105Vac~125Vac),48~420Hz.maximum for 0.3A.
Output Voltage	1kV~60kV high voltage output is optional, other customized.
Stability	Half hours after starting up<0.01%/H,<0.05%/8H.
Temperature Coefficient	≤25ppm/°C
Ripple	0.05%p-p of out voltage
Voltage/Current Monitor	0~+10Vdc, Zout=10kΩ,Accuracy:±1%
Local Voltage Programming	Inter multi-turn potentiometer to set voltage from 0 to full output voltage
Local Current Programming	Inter Potentiometer to set beam current between 0 to full output voltage Zin=332KΩ
Voltage Load Regulation	0.005%(no-load to rated load)
Voltage Line Regulation	±0.005%(within rated input voltage).
Current Load Regulation	0.05%(no-load to rated load)
Current Line Regulation	±0.05%(within rated input voltage).
Voltage rise/fall time	50mS under 50% load ,≤100mS under other loads
Energy Storage	≤400mJ.
Operating temperature/storage temperature	-20℃~+50℃ 1-40℃~+85℃
Cooling	natural cooling
Humidity	20%~85% relative humidity, no condensation
machine dimension	4.75"Hx5.25"Wx11.5"D(121mmx133.5mmx292mm) <span style="float: right;">Weight 4kg</span>

(The above parameters are satisfied when the rated voltage output is 5% to 100%, and decrease slightly when the rated voltage is 0 to 5%.)

## MEB Port information

PIN	NAME	Analog I/O Port Information
1	GROUND	GROUND
2	TTL	HV Output (Disable : 1=0V~1.5V / Enable : 2.5V~10V)
3	X1	N.C
4	Voltage MONITOR	0 to 10Vdc Zout = 10KΩ
5	COMMON	COMMON
6	Voltage PROGRAM	0 to 10Vdc Zin = 332KΩ
7	X2	N.C
8	COMMON	COMMON
9	INTERLOCK	CLOSEO = Supply ENABLE / OPEN = Supply DISABLE
10	Current MONITOR	0 to 10Vdc Zout = 10KΩ
11	X3	N.C
12	LOCAL CONTROL	0 to 10Vdc
13	CURRENT PROGRAM	0 to 10Vdc Zin = 332KΩ
14	X4	N.C
15	X5	N.C
16	X6	N.C
17	N.C	N.C
18	COMMON	COMMON
19	COMMON	COMMON
20	COMMON	COMMON
21	N.C	N.C
22	X7	N.C
23	REF	+10VDC
24	REF	+10VDC
25	REF	+10VDC

## MEB machine dimension



(The voltage reference ground in the table above is the signal ground)