



- 1kV~30kV 2W~15W
- High stability, low noise
- Voltage-current control
- Ultra low voltage starting
- Air insulation, light weight
- Over voltage and current protection
- Security interlock function
- OEM Customization available

C RACK MOUNT

INTRODUCTION

Wisman MEA series high voltage power supply has excellent regulation performance, this power output in 1kV-30kV optional, MEA series uses air insulation under the premise of ensuring safety and stability, greatly reducing the weight of MEA series to make it more convenient and practical, is a low noise ,high efficiency constant voltage and current power supply.

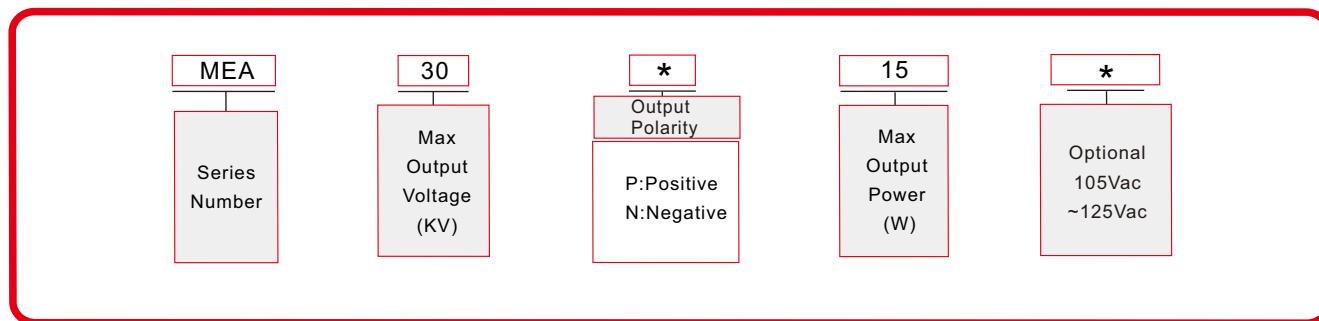
TYPICAL APPLICATIONS

Electrostatic discharge(ESD),Electrophoresis,DNA Sequencing,Electron beam ,Ion beam ,Pulse power supply, Electrostatic sucker, High Voltage Bias, Withstand voltage test, Electronic component aging, Electrostatic spinning Capacitor charging, Semiconductor test, Power cable test, Electron multiplier detector, Gas chromatography, Blood analysis,Cathode ray tube, Life Science, Medical chemical industry, Scientific experiments, Industrial application.

MEA SELECTION TABLE

kV	mA	P(W)	MODEL
1	15.00	15	MEA1*15
3	5.00	15	MEA3*15
5	3.00	15	MEA5*15
10	1.50	15	MEA10*15
15	1.00	15	MEA15*15
20	0.75	15	MEA20*15
30	0.50	15	MEA30*15

MEA SELECTION EXAMPLE



SPECIFICATIONS

C

RACK MOUNT

PARAMETER	DESCRIBE
Input Voltage	210Vac~250Vac Optional 105Vac~125Vac, 48~63Hz.
Output Voltage	1kV~30kV high voltage output optional, can be customized.
Stability	0.01%/ Hours, 0.05%/ 8 hours after turn on half an hour
Temperature Coefficient	≤25ppm/°C
Voltage Ripple	0.05% p-p of the output voltage
Voltage/Current Monitor	0~+10Vdc proportional to 0 to 100% output voltage Zout=10kΩ, Accuracy: ± 1%
Voltage Local Programming	Internal multi-turn potentiometer to set voltage from 0 to 100% output voltage
Voltage Remote programming	0~+10Vdc proportional from 0 to 100% output voltage Zin=332kΩ
Voltage load regulation	0.005% (no load to full load change)
Voltage line regulation	± 0.005% (with the rated input voltage)
Current load regulation	0.05% (no load to full load change)
Current line regulation	± 0.05% (with the rated input voltage)
Voltage rise/fall time	50% load under 50ms, other loads ≤100ms
Stored energy	≤400mJ
Operating/storage temperature	-20~+50°C/-40~ +85°C
Cooling	Convection cooled
Humidity	20% ~ 85% RH, non-condensing
Dimensions	3.25"H x 5.25"W x 11.5"D (82.54mmx133.5mm x292mm) Weight 2.7kg

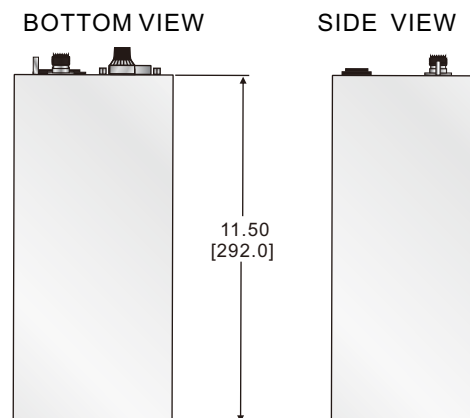
(The above parameters are met at 5%~100% rated voltage output and decreased at 0~5%)

MEA POWER INPUT INTERFACE

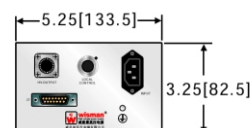
Port information	
LINE	AC Input
NEU	AC Input
GND	GND

MEA MACHINE DIMENSION

DIMENSIONS in[mm]



FRONT VIEW



MEA ANALOG INTERFACE

I/O	Port information	
1	X1	N/C
2	Signal Ground	Signal Ground
3	Signal Ground	Signal Ground
4	Signal Ground	Signal Ground
5	+10Vdc reference	+10Vdc reference, max current 5mA
6	+10Vdc reference	0~+10Vdc reference, max current 5mA
7	X2	N/C
8	External interlock	Interlocking with signal ground connection
9	Current display	0~+10Vdc 0 to 100% rated output, Zout=10kΩ
10	High pressure enable	output high voltage close: 0~1.5Vdc out high voltage start: 2.5~15Vdc
11	Voltage remote control output	0~+10Vdc 0 to 100% rated output, Zin=332kΩ
12	Ground	Ground
13	Current remote control input	0~+10Vdc 0 to 100% rated output, Zin=332kΩ
14	Voltage display	0~+10Vdc=0 to rated output, Zout=10kΩ
15	Local control output	0~+10Vdc, volume regulation

Voltage reference ground in the table is the signal ground