



- Voltage programming using differential inputs
- Optional RS-232, RS-485, network port control
- 1kV ~ 10kV, 2W ~ 20W
- High stability, ultra-low ripple, low noise
- Arcing, continuous shortcircuit protection
- Local or remote remote control
- Can be customized according to user requirements

## INTRODUCTION

Wisman DEA series high voltage power supply is a handy type high voltage power supply, using proprietary linear power conversion technology, small size, higher efficiency and lower ripple. The voltage programming given signal of the standard DEA series adopts the differential input form, which greatly improves the anti-interference ability to external noise. DEA handy type high-voltage power supply? can be precisely measured and controlled internally, externally, and by computer, and RS-232, RS485, and network port interfaces are optional. This series of power supplies have protection functions such as overcurrent, arcing, and short circuit.

## TYPICAL APPLICATIONS

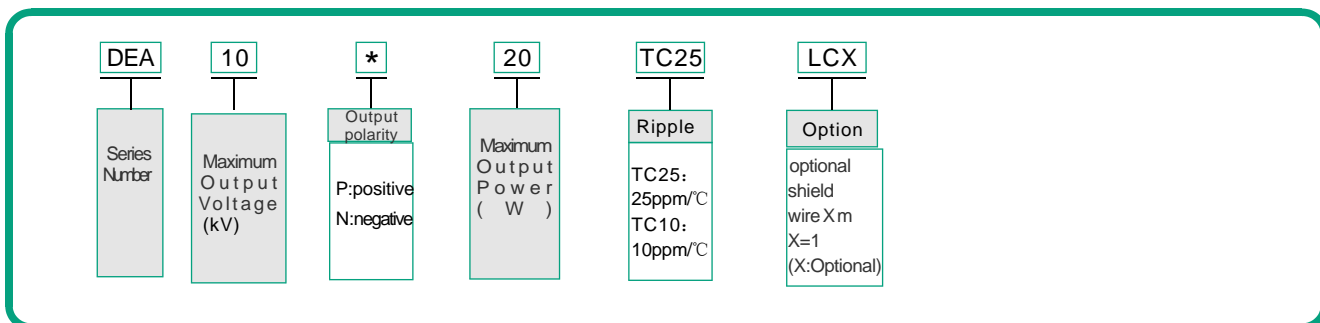
Mass Spectrometry, Photomultiplier Tubes, Solid State Detectors, Piezoelectric Devices, Ultrasonic Transducers, Microchannel Plates, Spectroscopy, Scintillation Counters, Electron Multiplier Detectors, Nuclear Instruments, Electrophoresis, DNA Sequencing, Counters, Electron Beams, Ion Beams, Electrostatic chuck, voltage bias, withstand voltage test, pulse power supply, precision lens image intensifier, semiconductor test, capacitor charging, electrospinning, electrostatic discharge test ESD, life science, medical chemical industry, scientific experiment, industrial application.

## DEA SELECTION TABLE

kV	mA	P(W)	MODEL	RIPPLE(mVpp)	kV	mA	P(W)	MODEL	RIPPLE(mVpp)	kV	mA	P(W)	MODEL	RIPPLE(mVpp)
1	5.0	5	DEA1*5	10	2.5	2.0	5	DEA2.5*5	25	5	1.0	5	DEA5*5	30
	10.0	10	DEA1*10	10		4.0	10	DEA2.5*10	25		2.0	10	DEA5*10	30
	20.0	20	DEA1*20	25		8.0	20	DEA2.5*20	60		4.0	20	DEA5*20	120
2	2.5	5	DEA2*5	20	3	1.67	5	DEA3*5	25	10	0.5	5	DEA10*5	50
	5.0	10	DEA2*10	20		3.33	10	DEA3*10	25		1.0	10	DEA10*10	50
	10.0	20	DEA2*20	50		6.67	20	DEA3*20	75		2.0	20	DEA10*20	250

Note: 0 to maximum voltage, 0 to maximum power can be customized.

## DEASELECTION EXAMPLE



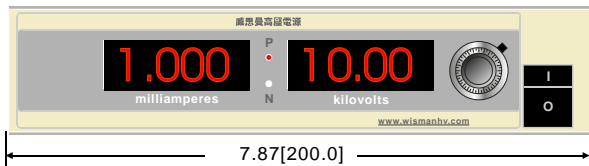


## DEA SPECIFICATIONS

PARAMETER	DESCRIBE
Input	220Vac±10%。
Output	1kV~10kV OPTIONAL
Stability	0.01% per hour ,per 8 hours after 1/2 hour warm-up.
Temperature Coefficient	≤25ppm /°C 10ppm/°C(TC10) Optional
Ripple	in "DEA DEA SELECTION TABLE"
Reference Voltage	+10Vdc ±1%。
Output Voltage Accuracy	±2%, When the voltage is given as 10Vdc
Voltage Load Regulation	0.01% (( no load to full load change)
Voltage Input Regulation	±0.01% (input voltage line change±10%)
Operating Temperature	0°C ~ 50°C 。
Storage Temperature	-35°C ~ 85°C 。
Humidity	20%~85% Rh, no condensation
Dimensions	In"DEA DEMENSIONS"

## DEA DIMENSIONS

DIMENSIONS:in.[mm]



## RS-232/RS-485 INTERFACE(OPTIONAL)

Jb2	SIGNAL	Jb2	SIGNAL
1	N/C	6	N/C
2	TXD/Transmit Data	7	RS-485B
3	RXD/Receive Data	8	N/C
4	N/C	9	RS-485A
5	SGND		

## ETHERNET INTERFACE

Jb1	SIGNAL	
1	RX+	Receive Data +
2	RX-	Receive Data-
3	TX+	Transmit Data +
4	N/C	N/C
5	N/C	N/C
6	TX-	Transmit Data-
7	N/C	N/C
8	N/C	N/C

E1

HANDY TYPE

E2