- OUTPUT VOLTAGE FROM 0.5kV~100kV,2kW
- DIGITAL INTERFACE-ETHERNET , RS-232,RS-485 OPTIONAL
- OVER VOLTAGE ,OVER TEMPERATURE, OVER CURRENT ,ARCING, SHORT CIRCUIT PROTECTION.
- VOLTAGE & CURRENT PROGRAMMING.
- LOCAL AND REMOTE CONTROL.
- SAFETY INTERLOCK.
- CUSTOMIZATION AVAILABLE.

INTRODUCTION

Wisman's DA series of high-voltage rack mount power supplies are of high performance, DA series are equipped with a complete protection system such as over-voltage,over-current protection, and arc protection etc. Remote & local control, voltage and current display. Wisman's DA full featured supplies are available in a wide range of outputs with many options.

TYPICAL APPLICATIONS

Capacitor Charging, Electronic Component Aging, Insulation Test, High Voltage Testing, Electron Beam /Ion Beam, Focus Ion Beam, Ion Inpouring, Lithography Technology, Electrostatic Applications, Electrostatic Deflexion,Electros-pinning, Electrophoresis Capillary Electrophoresis, Microchip Electrophoresis, DNA sequencing, Piezoelectricity material Testing, Science, Laboratory Applications, Industrial Applications.

DA SELECTION TABLE

kV	mA	P(KW)	MODEL	kV	mA	P(KW)	MODEL
0.5	4000	2	DA0.5*2	20	100.0	2	DA20*2
1	2000	2	DA1*2	30	66.7	2	DA30*2
2	1000	2	DA2*2	40	50.0	2	DA40*2
3	666.7	2	DA3*2	50	40.0	2	DA50*2
4	500.0	2	DA4*2	60	33.3	2	DA60*2
6	333.3	2	DA6*2	70	28.6	2	DA70*2
8	250.0	2	DA8*2	80	25	2	DA80*2
10	200	2	DA10*2	100	20	2	DA100*2

DA SELECTION EXAMPLE

DA	100	*	2
Series Number	Maximum Output Voltage (KV)	Output polarity P:positive N:Negative R:Reversible	Maximum Output Power (kW)

Option			
AB	RS-485 Control	CC	Current Control
AX	Arc Protection	LX	No shield cable length
AOL	Overload off	NSS	No Slow start
APT	Over power Off	SSX	Customized Slow start
CP	Constant Power		

DA SPECIFICATIONS

PARAMETER	DESCRIBE
Input	220Vac±10%,(Option AC110V)10A maximum Current.
Output	0.5kV~100kV，Maximum output Voltage option. Maximum output power is 2kW.
Stability	100ppm per hours after 1/2 hour warm-up.
Temperature Coefficient	≤25ppm/℃.
Ripple	0.3% p-p+1Vrms.
Voltage/Current Monitor	0 ~+10Vdc corresponds to 0 to maximum output, accuracy:±1%. Zin=4.99kΩ
Voltage Local Programming	Internal potentiometer to set voltage from 0 to maximum output voltage. Zin=10MΩ
Voltage Remote Programming	0 ~+10Vdc proportional from 0 to maximum output voltage. Zin=10MΩ
Voltage Remote Programming	0 ~+10Vdc proportional from 0 to maximum output voltage. Zin=10MΩ

FL RACK MOUNT

Current Local Programming	Internal potentiometer to set current from 0 to maximum output current. Zin=10MΩ
Current Remote Programming	0 ~+10Vdc proportional from 0 to maximum output current. Zin=10MΩ
Voltage Load Regulation	0.005%+500mV (no load to full load change).
Voltage Line Regulation	±0.005%+500mV (input voltage line change±10%).
Current Load Regulation	0.01%±100uA (no load to full load change).
Current Line Regulation	±0.005% (input voltage line change±10%).
Operating Temperature	0℃~+50℃.
Storage Temperature	-40℃~+85℃.
Humidity	20%~85% RH, non-condensing.
Dimensions	3.46" H×19.00" W×19.00" D(88mm×482.5mm×482.5mm).
Weight	14kg

DA ANALOG INTERFACE CONNECTION

J2	SIGNAL	PARAMETERS
1	Signal Ground	Signal Ground
2	External Inhibit	Ground=Inhibit, Open=HV On
3	External Interlock	+15Vdc at Open, <15mA at Closed
4	External Interlock Return	External Interlock Return
5	Current Monitor	0 ~ +10Vdc=0 to maximum output
6	Voltage Monitor	0 ~ +10Vdc=0 to maximum output
7	+10Vdc	+10Vdc, 1mA Max
8	Remote Current Program In	0 ~ +10Vdc=0 to maximum output
9	Local Current Program Out	Front Panel Program Current
10	Remote Voltage Program In	0 ~ +10Vdc=0 to maximum output
11	Local Voltage Program Out	Front Panel Program Voltage
12	Power Monitor	0 ~ +10Vdc=0 to maximum output, (Optional)
13	Remote Power Program In	
14	Local HV Off Out	+15Vdc at Open, <25mA at Closed
15	HV Off	Comment to HV OFF for FP Operation
16	Remote HV On	+15Vdc, 10mA Max=HV On
17	Remote HV Off Indicator	0=HV On, +15Vdc, 10mA Max=HV Off
18	Remote HV On Indicator	0=HV Off, +15Vdc, 10mA Max=HV On
19	Remote Voltage Mode	Open Collector 50Vdc Max, 10mA Max On=Active
20	Remote Current Mode	
21	Remote Power Mode	
22	Remote PS Fault	0=Fault, +15Vdc, 0.1mA Max=No Fault
23	+15Vdc Output	+15Vdc, 100mA Max
24	Power Monitor	Optional
25	Power Supply Common	Chassis Ground

RS-232/RS-485 DIGITAL INTERFACE Ⓓ

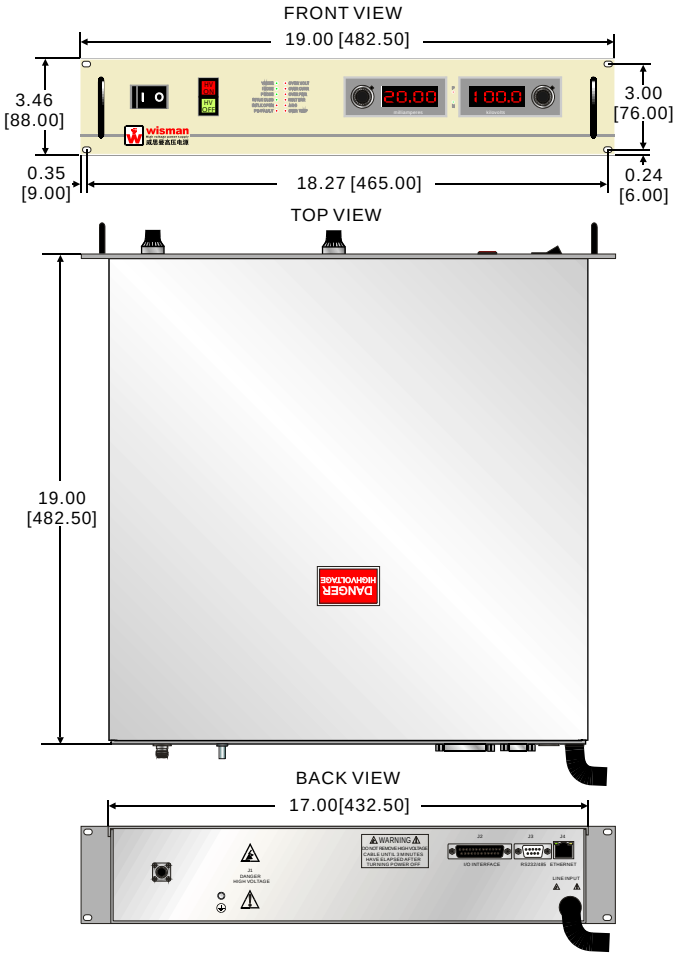
PIN	PARAMETERS		
1	N/C	6	N/C
2	TXD/Transmit Data	7	RS485B
3	RXD/Receive Data	8	N/C
4	N/C	9	RS485A
5	Digital Ground		

ETHERNET DIGITAL INTERFACE Ⓓ

J4	PARAMETERS		
1	Receive Data+	5	No Connection
2	Receive Data-	6	Transmit Data-
3	Transmit Data+	7	No Connection
4	No Connection	8	No Connection

DIMENSIONS

DIMENSIONS:in.[mm]



Sales@wismanhv.com
www.wismanhv.com