

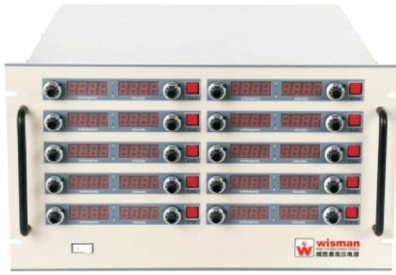
MS

1kV~70kV
10W~2000W
MULTI-CHANNEL HIGH
VOLTAGE POWER SUPPLY SYSTEM



ISO9001:2015

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- AC/DC AC220V POWER SUPPLY
- OUTPUT VOLTAGE MAXIMUM : 70kV
- MAXIMUM PER CHANNEL POWER:100W
- 10-CHANNEL INDEPENDENT OUTPUT CONTROL, TPUT, INDEPENDENT INDEPENDENT DISPLAY
- STANDARD RS-485 COMPUTER REMOTE CONTROL
- OVERVOLTAGE, ARC AND OUTPUT SHORT CIRCUIT PROTECTION VOLTAGE AND CURRENT REGULATFUNCTIONSION
- CAN BE CUSTOMIZED ACCORDING TO USER REQUIREMENTS

INTRODUCTION

Wisman MS series is a high-performance 19-standard rack-mounted 10-channel output high-voltage power supply, 10-channel independent start and stop, 10-channel independent control, 10-channel voltage and current independent display, the number of display digits is 4, and the output voltage and current of each channel It can be the same or different, and customers can order according to their needs. The MS series has a complete protection system. It can be controlled remotely or locally, with voltage and current display on the front panel, overvoltage, overcurrent, short circuit protection, arc overtemperature protection and safety interlock functions at the high voltage output terminal. Wide range of adjustment and flexibility of multiple optional features.

TYPICAL APPLICATIONS

Ion Implantation, Accelerator, Capacitor charging, electron beam power supply, ion beam power supply, high-energy particle injection, X-ray tube, electrostatic oiling, electrostatic spinning, electrostatic spraying, electrostatic flocking, air purification, electrostatic smoke removal, electrostatic dust removal, industrial equipment, Aging of electronic components, insulation testing, laser, Scientific research.

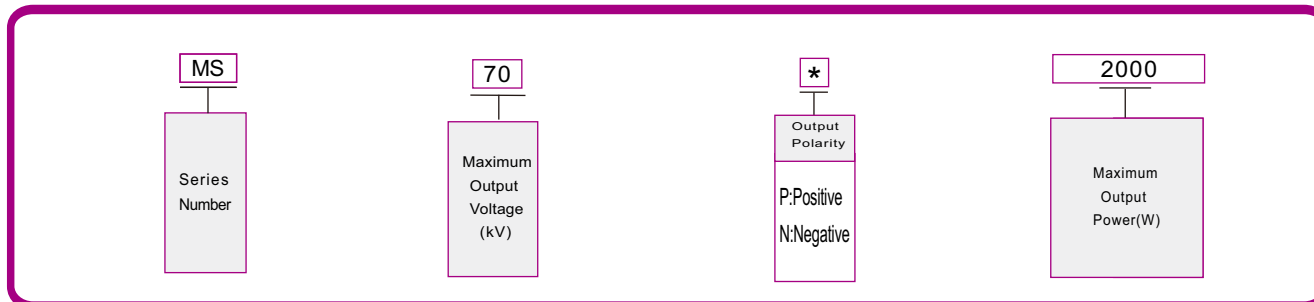
MS SELECTION TABLE

kV	mA	P(W)	MODULE	kV	mA	P(W)	MODULE	kV	mA	P(W)	MODULE	kV	mA	P(W)	MODULE
1	10	10	MS1*10	6	1.67	10	MS6*10	15	0.67	10	MS15*10	40	0.67	10	MS40*10
	30	30	MS1*30		5	30	MS6*30		2	30	MS15*30		2	30	MS40*30
	60	60	MS1*60		10	60	MS6*60		4	60	MS15*60		4	60	MS40*60
	100	100	MS1*100		16.7	100	MS6*100		6.67	100	MS15*100		6.67	100	MS40*100
	150	150	MS1*150		25	150	MS6*150		10	150	MS15*150		10	150	MS40*150
	300	300	MS1*300		50	300	MS6*300		20	300	MS15*300		20	300	MS40*300
	600	600	MS1*600		100	600	MS6*600		40	600	MS15*600		40	600	MS40*600
	1200	1200	MS1*1200		200	1200	MS6*1200		80	1200	MS15*1200		80	1200	MS40*1200
2000	2000	MS1*2000	330	2000	MS6*2000	133	2000	MS15*2000	133	2000	MS40*2000				
2	5	10	MS2*10	8	1.25	10	MS8*10	20	0.5	10	MS20*10	60	0.17	10	MS60*10
	15	30	MS2*30		3.75	30	MS8*30		1.5	30	MS20*30		0.5	30	MS60*30
	30	60	MS2*60		7.5	60	MS8*60		3	60	MS20*60		1	60	MS60*60
	50	100	MS2*100		12.5	100	MS8*100		5	100	MS20*100		1.67	100	MS60*100
	75	150	MS2*150		18.75	150	MS8*150		7.5	150	MS20*150		2.5	150	MS60*150
	150	300	MS2*300		37.5	300	MS8*300		15	300	MS20*300		5	300	MS60*300
	300	600	MS2*600		75	600	MS8*600		30	600	MS20*600		10	600	MS60*600
	600	1200	MS2*1200		150	1200	MS8*1200		60	1200	MS20*1200		20	1200	MS60*1200
1000	2000	MS2*2000	250	2000	MS8*2000	100	2000	MS20*2000	33.3	2000	MS60*2000				
3	3.33	10	MS3*10	10	1	10	MS10*10	30	0.33	10	MS30*10	70	0.14	10	MS60*10
	10	30	MS3*30		3	30	MS10*30		1	30	MS30*30		0.43	30	MS60*30
	20	60	MS3*60		6	60	MS10*60		2	60	MS30*60		1	60	MS60*60
	33.3	100	MS3*100		10	100	MS10*100		3.33	100	MS30*100		1.43	100	MS60*100
	50	150	MS3*150		15	150	MS10*150		5	150	MS30*150		2.14	150	MS60*150
	100	300	MS3*300		30	300	MS10*300		10	300	MS30*300		4.29	300	MS60*300
	200	600	MS3*600		60	600	MS10*600		20	600	MS30*600		8.57	600	MS60*600
	400	1200	MS3*1200		120	1200	MS10*1200		40	1200	MS30*1200		17.14	1200	MS60*1200
666	2000	MS3*2000	200	2000	MS10*2000	66.7	2000	MS30*2000	28.57	2000	MS60*2000				

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



MS SELECTION EXAMPLE



SPECIFICATIONS

Parameter	Description
Input	AC220+10%, maximum current 10A.
Output	1kV~70kV optional.
Stability	Less than 100ppm after 1 hour warm up, Less than 500ppm after 8 hours warm up
Temperature Coefficient	≤25ppm /°C (can be customized 10ppm/°C)
Ripple	0.001% P-P
Output Voltage Accuracy	1%
Voltage Control	Internal multi-turn potentiometer to set voltage from 0 to 100% output voltage. RS-484:0 to +10Vdc proportional from 0 to 100% output voltage.
Current Control	Internal potentiometer to set current between 0 and 100% output current. RS-484:0 to +10Vdc proportional from 0 to 100% output current.
Voltage Load Regulation	0.01%+500mV (no load to rated load)
Voltage Line Regulation	±0.01%+500mV (±10% change in input voltage)
Operating Temperature	0~ 50°C
Storage Temperature	-40°C ~ 85°C
Humidity	20%~85% RH, non-condensing
Dimensions	Refer to MS series dimensions

D

C
MULTI-CHANNEL SYSTEM