



INTRODUCTION

Special high-voltage power supply for melt-blown fabric electrostatic electret. In 2003, Wisman launched the DL series of high-voltage power supplies for electrostatic electret equipment designed for melt-blown nonwoven industry. This product has passed the EU CE certification. Exported to 67 countries and regions. The DL series uses high-reliability proprietary technology, and its quality fully meets the standards of European and American countries. Wisman DL series has small energy storage, and will not cause damage to non-woven fabrics. Rapid arc response, instant recovery after high-voltage arc discharge. Such high stability can make the electret effect more stable, and the high DC power makes the electret charge high to target Europe and the United States. Our DL series high-voltage power supply is a line of high-performance 19" rack mount high-voltage power supplies. The DL series has a complete protection system. It can be controlled remotely or locally, equipped with a voltage and current display panel and protecting functions such as over voltage and current short circuit protection, arc drawing, over-temperature protection, safety interlock... Wide range adjustment and flexible multiple optional functions.

PARAMETER	DESCRIBE
Input	220Vac \pm 10%, 5A max.
Output	50kV, 300W.
Stability	<100ppm after a 30 minute warm-up period.
Temperature Coefficient	\leq 25ppm/ $^{\circ}$ C.
Ripple	0.1% p-p+1Vrms (0.05%p-p optional.)
Voltage/Current Monitor	0~+10Vdc correspond to 0 ~100%, Zout = 4.99k Ω , Accuracy: \pm 1%.
Input Voltage Local Control	Front potentiometer set to 0 ~100%, Zin = 10M Ω .
Input Current Remote Control	External interface set to 0~+10Vdc correspond to 0 ~100%, Zin = 10M Ω .
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Input Current Remote Control	External interface set to 0~+10Vdc correspond to 0 ~100%. Zin = 10M Ω .
Voltage Load Regulation	0.005%+500mV (No load to rated load)
Voltage Line Regulation	\pm 0.005%+500mV (The input voltage changes by \pm 10%)
Current Load Regulation	0.01% \pm 100uA (No load to rated load)
Current Line Regulation	\pm 0.005% (The input voltage changes by \pm 10%)
Operating Temperature	0 $^{\circ}$ C~+50 $^{\circ}$ C.
Storage Temperature	-40 $^{\circ}$ C~+85 $^{\circ}$ C.
Humidity	20% ~ 85% RH, no condensing.
Dimension	1.73" H x 19.00" W x 19.00" D (44mm x 482.5mm x 482.5mm)
Weight	7.7kg



Diagram of Melt-Down Fabric Electrostatic Electret High-voltage Power Supply

