



EMSC, LLC

EM600ds

150 TO 600 WATT SWITCH-MODE LAMP POWER SUPPLY



Switch-mode type power supply is designed specifically to power Xenon Compact Ceramic Lamps up to 600 Watts. It features Power Factor Correction and integral lamp igniter.

The **EM600ds** is designed specifically for OEM illumination type applications using up to 600 Watt Xenon Compact Ceramic Lamps. Applications requiring high reliability and safety standards were the primary design criteria.

Each power supply is burned in at an elevated temperature and line voltage for 24 hours and then backed up with our two-year warranty. The **EM600ds** is designed to comply and exceed most world safety agency standards including class 1 medical standards.

FEATURES

- ◆ High reliability
- ◆ Two-Year Warranty
- ◆ Designed to comply with all safety agency regulations: meets UL, CSA, TUV, VDE and CE standards
- ◆ Pulsed mode capability
- ◆ Current controlled regulation
- ◆ Adjust lamp intensity remotely
- ◆ Power Factor Correction assures operation anywhere in the world
- ◆ Remote lamp - on monitor
- ◆ Automatic or manual lamp start
- ◆ State of the art single pulse igniter
- ◆ DC fan output for extra cooling
- ◆ High efficiency makes the package light and compact

We provide solutions to your special light requirements!



EMSC, LLC

Electro Magnetic Sciences Company

755 Main Street, Building 2, Monroe, CT 06468 USA

(203) 268-5101 Voice (203) 268-5144 Fax www.EMSC-LLC.com

EM600ds

With over three decades of experience in the design and manufacture of instrumentation for analytical chemistry, spectroscopy and spectrophotometry, we understand the requirements necessary to make our products truly research grade. They are manufactured to the highest of standards. Each unit delivers dependable, high performance, allowing you to focus on your results.

Our instruments are designed to comply with most world safety agency standards. For additional safety, we feature a unique interlock system which addresses numerous safety concerns.

Our products are built to perform under extreme conditions. Each power supply is burned in at an elevated temperature and line voltage for 24 hours, and must meet our exhaustive quality inspection before being released for shipment. The exceptional reliability is backed by our one-year warranty.

Our team is committed to personal service to our customer, and to your complete satisfaction.

TYPICAL SPECIFICATIONS	
AC Input:	95-130 VAC/10A
(Power Factor Corrected)	190-260 VAC/5A
	50/60 Hz
DC Power Output:	150 - 600 Watts
Output Current:	6.5 to 32 A
Output Voltage:	10 to 25 VDC Lamp dependent
Pre-ignition Voltage:	>100 VDC
Ignition Voltage:	>25K Volts Single Pulse
Auxiliary 12 Volts DC:	Up to 1.0 Amps
Line Regulation:	0.8% change over 95-130 VAC or 190-260 VAC
Load Regulation:	< 0.8% change of 50% load
Stability:	<1% Lamp Current after 1 hour warm-up
Noise:	<150mV peak to peak, 50 Hz to 600 KHz
Ripple with Resistive Load:	< 0.5% RMS 20 Hz to 50 kHz
Light Ripple:	< 1.0% RMS
Max. Operating Temp:	40° C
Weight:	3.5 lb. (1.6 kg)
Dimensions:	3.9 x 5.5 x 8.0 in. 9.9 x 14.0 x 20.3 cm

To learn more about our products, visit our website at www.EMSC-LLC.com

ARC LAMP COMPATIBILITY									
XENON LAMPS					XENON(MERCURY) LAMPS				
POWER	VOLTAGE	CURRENT	FLUX	LIFE	POWER	VOLTAGE	CURRENT	FLUX	LIFE
150W	20V	7.5A	3000 lm	1200 h	150W	20V	7.5A	1m	2000 h
150W	18V	8.5A	2900 lm	1200 h	200W	24V	8A	4500 lm	2000 h
250W	14V	18A	4800 lm	1200 h	200W	22V	9A	7000 lm	500 h
300W	20V	15A	8000 lm	1000 h	350W	25V	14A	1m	1000 h
300W	15V	20A	5000 lm	1000 h	500W	25V	20A	1m	1000 h
450W	18V	25A	13000 lm	2000 h	CERAMIC COMPACT XENON LAMPS				
500W	20V	24A	16000 lm	2000 h	POWER	VOLTAGE	CURRENT	FLUX	LIFE
500W	20V	25A	14000 lm	1500 h	150W	12V	13A	2000 lm	1000 h
500W	18V	28A	14500 lm	2000 h	175W	13V	14A	3600 lm	1000 h
500W	14V	30A	14000 lm	500 h	300W	14V	21A	6000 lm	1000 h
500W	15V	30A	13000 lm	1500 h	500W	18.5V	27A	10500 lm	1000 h



EMSC, LLC

Electro Magnetic Sciences Company

755 Main Street, Building 2, Monroe, CT 06468

(203) 268-5101 Voice

(203) 268-5144 Fax

www.EMSC-LLC.com