

1200W XENON LAMP POWER SUPPLY

FEATURES:

- Universal input range
- Compact size and low weight
- Built-in Power Factor Correction
- Accurate constant output power control assures absence of light flickering and continuous brightness during warm up
- Integrated optical insulated RS232 bus providing extended status- and control functions.
- Lamp power adjustable by means of RS232 or optical isolated 5 bit parallel bus.
- Optional 100W, 3 output converter to supply external control electronics.
- Ultra low audible noise.
- Integrated boost / strike circuit generating an optimal strike wave form ensuring one attempt lamp start
- Full compliance to international EMI / RFI standards
- US / CSA / IEC and CE approved



GENERAL

Operating temperature range:	0 - +50° C
Dielectric voltage withstand :	
- Input to Output:	3000Vac
- Input to frame:	1500Vac
- Input/ to status signals:	3000Vac
- Output to frame:	500Vac
Efficiency:	89% typical

MECHANICAL

Dimensions (L x W x H):	266x222x150 mm
Weight:	4.2 Kg

INPUT

Supply voltage:	90 – 264V
Frequency:	47 – 63Hz
Inrush current:	10A max.
Power factor:	0.98 min.

OUTPUT

Output power	110V range	360 – 750W
	230V range	600 – 1200W
Voltage range:		15 – 24V DC
Current range:		15 – 80A
Ripple current:		< 0.5A RMS Set
Power set point tolerance:		± 5% max.
Power stability between 15V – 24V:		± 1% max.

BOOST / STRIKE STAGE

Boost voltage:	190 ±10V
Output power:	10W max.
Boost voltage discharge time:	< 5 seconds
Stored boost energy:	17 ± 5 Joule
Discharge current limiting resistors:	2.35Ω ± 5%
Amplitude lamp strike voltage:	38KV ± 4KV
Voltage rise time:	150 ns typical
Strike pulse energy:	217 ± 22 mJ

INTERFACE SIGNALS

Remote on/off:	Select between active / stand by
PWRPRESET 0-4:	
110V range:	Power adjust: 360 – 750W
230V range:	Power adjust: 600 – 1200W
Lamp High/Low:	Power select between 70- and 100% of adjusted power
Lamp no start:	Set when lamp strike failed
Lamp start OK:	Set when lamp is ignited.
RS232 bus:	Power adjust and status report

PROTECTIONS

- The unit is fully protected against following conditions:
- Thermal overload
 - Input under voltage
 - Output overload / short circuit
 - Output open circuit