

### Key Features & Benefits:

- Built-In Active PFC function
- High Efficiency
- Waterproof (IP67)
- Constant Current / 0-10V Dimming
- Clock Dimming(CLK) / CP Dimming
- Protection: OVP, SCP, OTP
- UL Type TL, Type HL



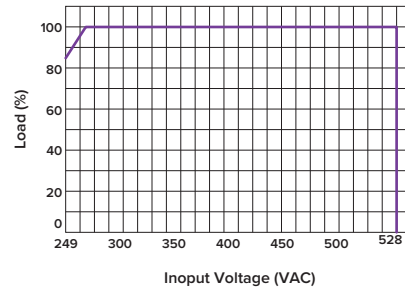
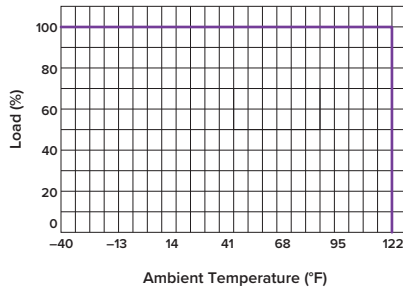
Project: \_\_\_\_\_ Catalog#: \_\_\_\_\_ Date: \_\_\_\_\_  
 Notes: \_\_\_\_\_



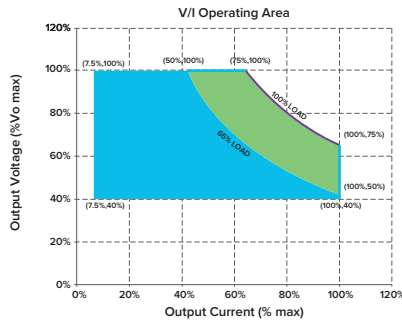
ESL-DMG-320W-HV-OPMA-XX-YYYY*		8000	13300
Input	Efficiency (347 VAC) Typ.	93.0%	93.0%
	Voltage Range (VAC)	249~528 VAC or 360-720 VDC	249~528 VAC or 352~757 VAC
	Rated Input Voltage (VAC)	277-480	
	Frequency Range (Hz)	47 ~ 63	
	Power Factor	>0.9 at 277~480 VAC input, with 80%~100% load conditions	
	THD	<20%, at 277~480Vac input, with 80%~100% load conditions	
	AC Current (Typ.)	1.5A Max. at 277 VAC	1.4A at 277 VAC input, 1.2A at 347 VAC, 1A at 400 VAC
	Inrush Current (Typ.)	65A at 347 VAC input 77°F cold start, 75A at 480 VAC input 77°F cold start (time wide=500uS, measured at 50% Ipeak, Not applicable for the inrush current to noise filter for less than 0.2ms)	
Output	Rated Output Voltage (V)	53.3-40	32-24
	Output Voltage Range (V)	53.3-24	32-14
	Rated Current (mA)	6000-8000	10000-13300
	Output Current Range (mA)	600-8000	1000-13300
	Rated Power (W)	320W (Max)	
	Output Current Set Range	7.5%I <sub>o_max</sub> ~100%I <sub>o_max</sub>	
	Constant Power Output Set Range	75%I <sub>o_max</sub> ~100%I <sub>o_max</sub>	
	Ripple Current (PK / AV) / AV)	10% max. (I <sub>dc</sub> (pk-pk)/av) at 100% load	
	Current Tolerance <sup>Note.1</sup>	±5%	
	Line Regulation	±3%	±1%
	Load Regulation	±3%	
	Setup, Rise Time	<1.5s, measured at 347 VAC	
Hold Up Time	10ms at 347VAC 100% load		
Dimming Control	12 VDC Output Voltage (VDC)	10.8Vmin.~12Vtyp.~13.2Vmax.	
	12 VDC Output Current (VDC)	0mA~10mA max.	
	1~10V / DMI+ Voltage	Absolute maximum voltage -10Vmin~20Vmax	
	1~10V / DMI+ Short Current	280uA~450uA (DIM+=0)	
	DIMMING FUNCTION	PWM&1~10V/10%I <sub>o</sub> ~100%I <sub>o</sub> ref. Dimming module diagram and dimming curve	
Protection	Over Voltage (V)	65V max	36
	Short Circuit	Hiccup mode.The power supply shall be self-recovery when the fault is removed	
	Over Temperature	Decrease output current. Returning to normal after over temperature is removed.	
Environment	Operating Temperature	-40~+158°F (Refer to "Derating Curve")	
	Tcase	190.4°F Max	
	Operating Humidity	20~95%RH, non-condensing	
	Storage Temperature (Humidity)	-40~+185°F, 10-95%RH	
	Temperature Coefficient	0.03% / °F (32 - 122°F)	
	Vibration	10~500Hz, 5G 12min/cycle, period for 72 min. each along X, Y, Z axes	
Safety & EMC	Safety Standard	UL8750, UL1012, CSA C22.2 NO.107.1, EN61347-1, EN61347-2-13	
	Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:1.75KV O/P-FG:0.5KV	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500 VDC/77°F/70%RH	
	EMC Emission	FCC Part 15 Class B	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547;Surge Immunity Test:AC line to AC line ±4KV,AC line to earth: ±6kV	
Others	MTBF		
	Lifetime	≥100 KHrs lifetime (continuous) at Tcase = 65°F, ≥50 KHrs lifetime (continuous) at Tcase = 75°F	
	Dimension (LxWxH)	9.88" L x 3.54" W x 1.75" H	
	Weight	3.97lbs	
* XX = Output Voltage / YYYY = Output Current		Note.1: At Rated Current ,Includes set up tolerance, line regulation and load regulation.	

†These products are not stocked. Contact factory for lead times.

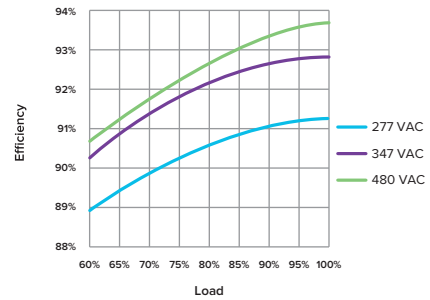
### Derating Curve:



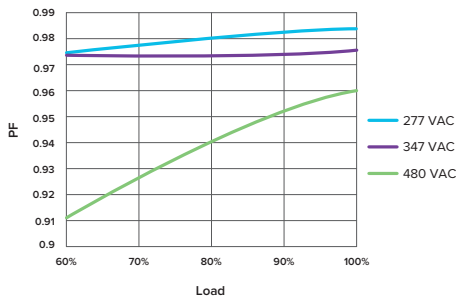
### V/I Curve:



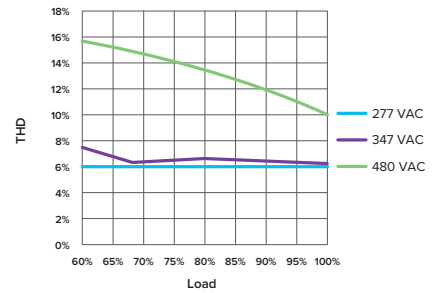
### Efficiency vs. Load Curve:



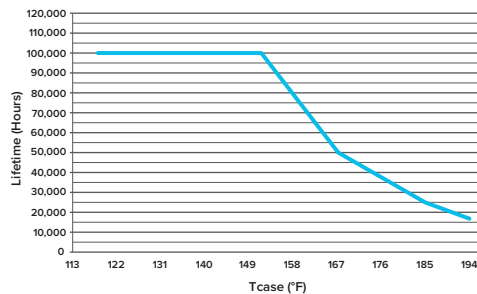
### Power Factor vs. Load Curve:



### THD Curve:



### Life Time vs. Tcase (Ref.):



**Dimensions:**

