

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



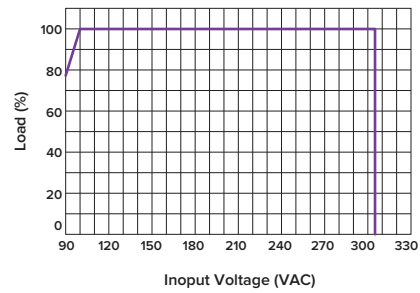
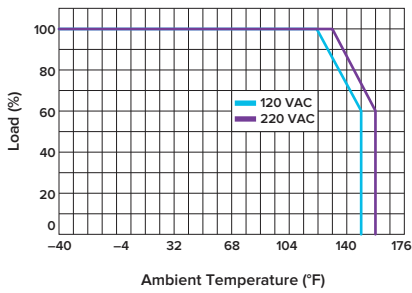
Project: _____ Catalog#: _____ Date: _____
 Notes: _____



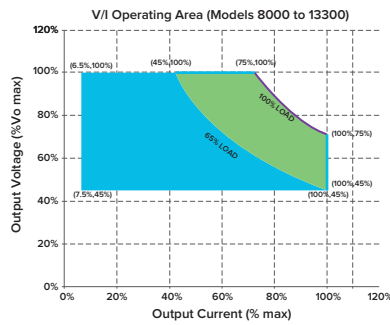
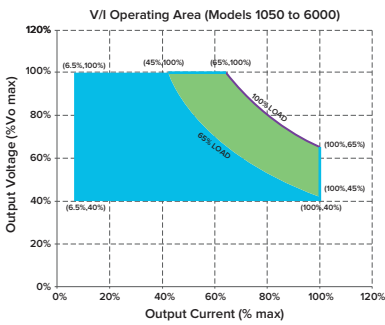
ESL-DMG-320W-OPMA-XX-YYYY*		1050 [†]	1500 [†]	2100 [†]	3000 [†]	4200 [†]	6000 [†]	8000	10500 [†]	13300	
Input	Efficiency (120 VAC) <small>Note.1</small>	91.0%	91.0%	90.0%	90.0%	90.0%	90.0%	90.5%	90.5%	90.5%	
	Efficiency (230 VAC) <small>Note.1</small>	94.0%	94.0%	93.0%	93.0%	93.0%	93.0%	93.5%	93.5%	93.5%	
	Voltage Range (VAC) <small>Note.2</small>	90 - 305									
	Rated Input Voltage (VAC) <small>Note.2</small>	100 - 277									
	Frequency Range (Hz)	47 ~ 63									
	Power Factor	0.99 (Typical) at 120 VAC; 0.98 (Typical) at 230 VAC; 0.9 (Min.) at 277 Vac, with 80% - 100%									
	THD	8% (Typ.) at 120 VAC input, 10% (Typ.) at 230 VAC input, with 80%~100% load. 20% (Max.) with 50%~100% load, at 100~277 VAC									
	AC Current (Typ.)	4.0A at 100 VAC input, 1.7A at 230 VAC									
	Inrush Current (Typ.)	65A at 230 VAC input, 25°C, Cold Start (time wide=500uS, measured at 50% Ipeak, Not applicable for the inrush current to Noise Filter for less than 0.2ms)									
	Leakage Current (Max.)	0.75mA at 277Vac/60Hz									
Output	Rated Output Voltage (V)	457-305	320-214	228-153	160-107	114-76	80-53	53.5-40	40.5-30.5	32-24	
	Output Voltage Range (V)	457-183	320-128	228-91	160-64	114-46	80-32	53.5-24	40.5-18	32-14	
	Rated Current (mA)	700-1050	1000-1500	1400-2100	2000-3000	2800-4200	4000-6000	6000-8000	7900-10500	10000-13300	
	Output Current Range (mA)	70-1050	100-1500	140-2100	200-3000	280-4200	400-6000	600-8000	790-10500	1000-13300	
	Rated Power (W)	320									
	Output Current Set Range	6.5%Io_max - 100%Io_max						7.5%-100% of Io_max			
	Constant Power Output Set Range	65%Io_max - 100%Io_max						75%-100% of Io_max			
	Ripple Current (PK / AV) / AV	10% of Io_max. ((PK-AV) / AV) with LED default mode and full load)									
	Current Tolerance	5%									
	Line Regulation	1%									
	Load Regulation	3%									
	Turn on delay Time	<1s, at 120Vac; <0.5s, at 230Vac									
	Dimming Control	12 VDC Output Voltage (VDC)	10.8-13.2								
12 VDC Output Current (mA)		20 (Max.)									
0~10V / DMI+ Voltage		Absolute maximum voltage: -10Vmin~20Vmax									
0~10V / DMI+ Short Current		280uA~450uA (DIM+=0)									
DIMMING FUNCTION	Default is 0-10V dimming mode. Other dimming ways like PWM/ CLK dimming can be set by software configuration.										
Protection	Over Voltage (V)	594	416	296	208	148	104	70	53	42	
	Short Circuit	Protection type: Voltage limiting.output will not exceed the upper limit voltage , recovers automatically after fault condition is removed.									
	Over Temperature	Protection type: Decrease output current. When tc reaches 100°C+/-10°C, the output current decrease to approximate 50% of rated value until tc reaches 75°C+/-15°C.									
Environment	Operating Temperature	-40~+158°F (Refer to "Derating Curve")									
	Tcase	194°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, CAN/CSA-C22.2No.107.1-01,EN61347-1, EN61347-2-13									
	Withstand Voltage	I/P-O/P:3.75k VAC, I/P-FG:1.5k VAC, O/P-FG:1.5k VAC									
	Isolation Resistance	I/P-O/P:100M Ohms (500VDC/77°F/70%RH)									
	EMC Emission	FCC Part 15 Class B/ EN55015, EN61000-3-2 Class C, EN61000-3-3									
EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547 (Surge: L-N: ±4kV, L-N-FG: ±6kV)										
Others	MTBF	300,000 Hours, measured at full load, 77°F ambient temperature									
	Lifetime	50,000 Hours at Tc 75°C(Refer to"Life Time VS. Tcase (Ref.)"									
	Dimension (LxWxH)	9.88" L x 3.54" W x 1.75" H									
	Weight	3.97lbs									
* XX = Output Voltage / YYYY = Output Current		<small>Note.1: Measured at full load and steady-state temperature in 77°F ambient(Efficiency will be about 2% lower if measured immediately after startup); Note.2: Derating may be needed under low input voltage, Please Refer to 'Derating Curve'; Note.3: All parameters NOT specially mentioned are measured at 230 VAC input, rated load and 77°Fambient temperature;</small>									

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

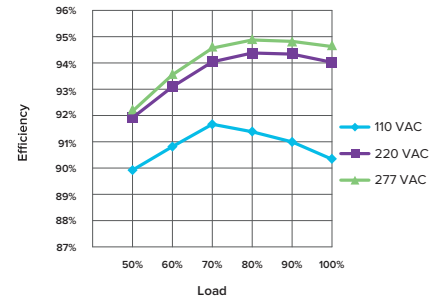
Derating Curve:



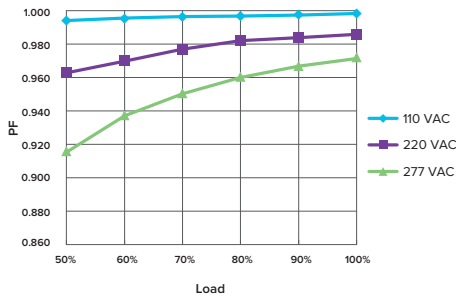
V/I Curve:



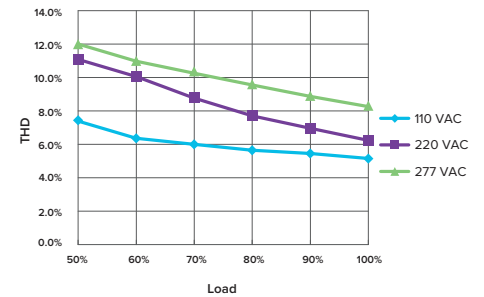
Efficiency vs. Load Curve:



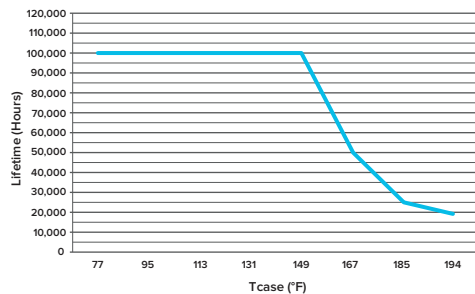
Power Factor vs. Load Curve:



THD Curve:



Life Time vs. Tcase (Ref.):



Dimensions:

