

IMPACT LIGHTING INC'S POWER SUPPLY - 300W

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Forced air cooling by built-in DC fan
- Withstand 300vac surge input for 5 second
- Built-in cooling Fan ON-OFF control
- Built-in constant current limiting circuit
- 100% full load burn-in test
- LED indicator for power on
- Fixed switching frequency at 90KHz
- Low cost,high reliability
- 2 years warranty



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SPECIFICATION

MODEL	ILI-350-3.3	ILI-350-5	ILI-350-7.5	ILI-350-12	ILI-350-15	ILI-350-24	ILI-350-27	ILI-350-36	ILI-350-48
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	27V	36V
	RATED CURRENT	60A	60A	46A	29A	23.2A	14.6A	13A	9.7A
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 46A	0 ~ 29A	0 ~ 23.2A	0 ~ 14.6A	0 ~ 13A	0 ~ 7.3A
	RATED POWER	198W	300W	345W	348W	348W	350.4W	351W	349.2W
	ripple & noise (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	2.97 ~ 3.7V	4.5 ~ 5.6V	6 ~ 9V	10 ~ 13.5V	13.5 ~ 18V	20 ~ 26.4V	26 ~ 32V	32 ~ 40V
	VOLTAGE TOLERANCE Note.3	+3%, -4.5%	±3.0%	±2.0%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2.5%	±2.0%	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1000ms, 50ms/230VAC	1000ms, 50ms/115VAC	at full load					
INPUT	HOLD UP TIME (Typ.)	20ms/230VAC	16ms/115VAC	at full load					
	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC by switch	254 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	74%	78%	80%	83%	84%	87%	88%	87.5%
	AC CURRENT (Typ.)	7A/115VAC	4A/230VAC						
PROTECTION	INRUSH CURRENT (Typ.)	40A/115VAC	60A/230VAC						
	LEAKAGE CURRENT	<3.5mA / 240VAC							
	OVER LOAD	105 ~ 135% rated output power							
		Protection type : Constant current limiting, recovers automatically after fault condition is removed							
	OVER VOLTAGE	3.8 ~ 4.6V	5.75 ~ 7.5V	9.4 ~ 11.25V	13.8 ~ 16.2V	18 ~ 21V	27.6 ~ 32.4V	33.7 ~ 39.2V	41.4 ~ 46.8V
FUNCTION	OVER TEMPERATURE	57.6 ~ 67.2V							
		Protection type : Shut down O/P voltage, re-power on to recover							
		85°C ±5°C (3.3 ~ 7.5V); 80°C ±5°C (12V); 75°C ±5°C (15 ~ 48V) (TSW1) Detect on case							
		Protection type : Shut down O/P voltage, recovers automatically after temperature goes down							
	FAN ON/OFF CONTROL (Typ.)	RTH2 ≥ 50°C FAN ON, ≤ 45°C FAN OFF (3.3 ~ 7.5V)							
ENVIRONMENT		RTH2 ≥ 55°C FAN ON, ≤ 50°C FAN OFF (12 ~ 48V)							
	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)							
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1 approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25°C / 70% RH							
	EMI CONDUCTION & RADIATION	Design refer to EN55022 (CISPR22) Class A							
OTHERS	EMS IMMUNITY	Design refer to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, light industry level, criteria A							
	MTBF	234.3K hrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	215*115*50mm (L*W*H)							
NOTE	PACKING	1.07Kg; 12pcs/13.5Kg/0.92CUFT							
		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.							