



## Features:

- Constant current mode power supply
- 180-264VAC input only
- Fully encapsulated with IP67 level (Note.6)
- Protections:Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- High reliability / Low cost
- 2 years warranty

## **SPECIFICATION**

## □ LPS IP67 **( €**

SPECIFIC	AIION			
MODEL		LPHC-18-350	LPHC-18-700	
ОИТРИТ	RATED CURRENT	350mA	700mA	
	DC VOLTAGE RANGE	6~48V	6~25V	
	RATED POWER	16.8W	17.5W	
	RIPPLE & NOISE (max.) Note.2	300mVp-p	250mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±3.0%		
	SETUP, RISE TIME	3600ms, 100ms / 230VAC		
	HOLD UP TIME (Typ.)	20ms/230VAC at full load		
INPUT	VOLTAGE RANGE	180 ~ 264VAC 254 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY(Typ.)	80%	80%	
	AC CURRENT	0.3A/230VAC		
	INRUSH CURRENT(max.)	Cold start 50A/230VAC		
	LEAKAGE CURRENT	0.25mA / 240VAC		
PROTECTION	CURRENT LIMIT	±5% rated output current		
		Protection type : Constant current limiting type		
	OVER VOLTAGE	50.4~ 60V	28.75~ 33.75V	
		Protection type: Shut off o/p voltage, clamping by zener diode		
	OVER TEMPERATURE	Tj 170 t ypically (U1) Detect on main control IC		
		Protection type: Hiccup mode, recovers automatically after temperature goes down		
ENVIRONMENT	WORKING TEMP.	-30 ~ $70^{\circ}$ C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.2%/°C (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 5)	SAFETY STANDARDS	IP67 approved; design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC		
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class A		
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class A, EN61000-3-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A		
OTHERS	MTBF	1200.6K hrs min. MIL-HDBK-217F (25 )		
	DIMENSION	140*30*22(L*W*H)		
	PACKING	0.175Kg; 70pcs/13.3Kgs/0.71CUFT		
NOTE	Ripple & noise are measure     Tolerance : includes set up     Derating may be needed ur     The power supply is consid complete installation, the fin	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  to tolerance, line regulation and load regulation.  under low input voltage. Please check the static characteristic for more details.  dered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the inal equipment manufacturers must re-qualify EMC Directive on the complete installation again.  outdoor use without direct sunlight exposure.		



