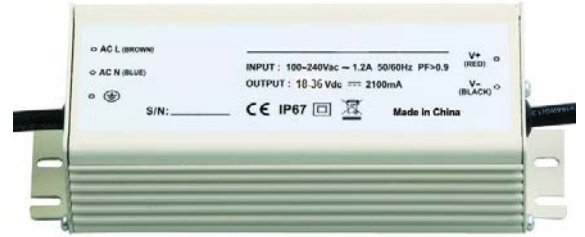


## ARPJ-LG302450 (75W, 2450mA, PFC)



### FEATURES:

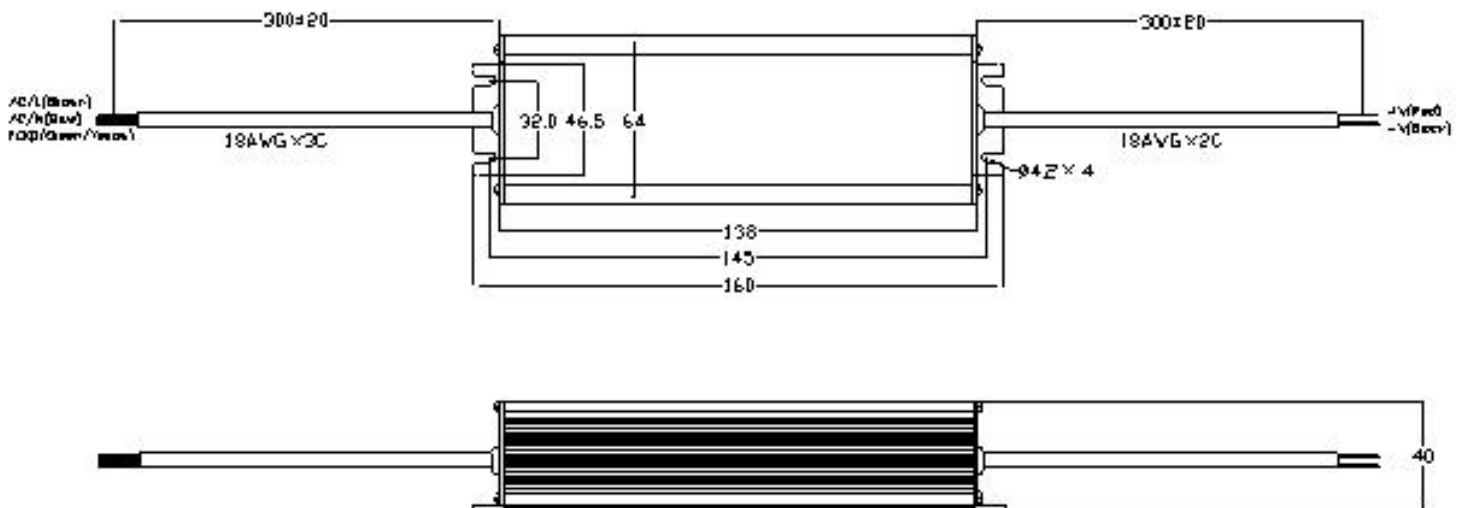
- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built\_in active PFC function
- Fully encapsulated with IP67 level
- UL60950 Class 2 power unit, pass LPS
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Damp / wet location outdoor application
- 2 years warranty

### PARAMETERS:

OUTPUT	DC VOLTAGE	30V
	CONSTANT CURRENT REGION	15~30V
	RATED CURRENT	2450mA
	RATED POWER	73.5W
	RIPPLE&NOISE(MAX)	200mVp-p
	VOLTAGE TOLERANCE	±2%
	LINE REGULATION	±1%
	LOAD REGULATION	±2%
	SETUP,RISE TIME	1000ms, 80ms / 230VAC 1000ms, 80ms / 115VAC at full load
	HOLD UP TIME(Typ.)	60ms / 230VAC 30ms / 115VAC at full load
INPUT	VOLTAGE RANGE	100-240VAC
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR	PF>0.95/230VAC PF>0.98/115VAC at full load PF≥0.9 at 75 ~ 100% load, 115VAC / 230VAC
	EFFICIENCY(Typ)	87%
	AC CURRENT	1.2A / 115VAC      0.6A / 230VAC
	INRUSH CURRENT(MAX)	Cold-start current 65A/230V
	LEAKAGE CURRENT	<1mA/240VAC
PROTECTION	OVER CURRENT	95-108% Protection type: Hiccup model,recovers automatically after fault condition is removed
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	36~44V Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Tj 140°C typically(IC1) Detect on main control IC Protection type : Shut down o/p voltage, recovers automatically after temperature goes down

ENVIRONMENT	WORKING TEMP.	-30°C ~ +50°C @ full load ; +70°C @ 60% load
	WORKING HUMIDITY	20% ~ 95%RH non-condensing
	STORAGE TMP.,HUMIDITY	-40°C ~ +80°C, 10-95%RH
	TEMP.COEFFICIENT	±0.03%/°C(0-50°C)
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
SAFETY EMC	SAFETY STANDARDS	Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67
	WITHSTAND VOLTAGE	I/P-O/P:3.0KVAC I/P-FG:1.5KVAC
	ISOLATION RESISTANCE	I/P-O/PI: > 100M Ohms/500VDC/25~70%RH
	EMI CONDUCTION & RADIATION	Compliance to EN55015, EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C ( ≥75% load) ; EN61000-3-3
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, light industry level , criteria A
	MTBF	≥400K Hours (25°C)
	DIMENSION	160*65.5*40.3mm (L*W*H))

## MECHANICAL SPECIFICATION:



## BLOCK DIAGRAM

