



Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built\_in active PFC function
- Fully encapsulated with IP67 level
- UL1310 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

**SPECIFICATION:**

MODEL		KU300I CP	IS 100GAP -12	IS 100GAP -15	IS 100GAP -20	IS 100GAP -24	IS 100GAP -27	IS 100GAP -36	IS 100GAP -48	
OUTPUT	DC VOLTAGE		12V	15V	20V	24V	27V	36V	48V	
	RATED CURRENT		8A	6.5A	4.8A	4A	3.6A	2.75A	2.1A	
	RATED POWER		96W	97.5W	96W	96W	97.2W	99W	100.8W	
	RIPPLE & NOISE (max.)		100mVpp	150mVpp	150mVpp	200mVpp	200mVpp	200mVpp	200mVpp	
	VOLTAGE TOLERANCE		±3.0%						±2.0%	
	LINE REGULATION		±1.0%							
	LOAD REGULATION		±2.0%							
	SETUP,RISE TIME		1200ms, 80ms / 230VAC 1200ms, 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>0.95/115VAC at full load PF≥0.9 at 75 ~ 100% load, 115VAC / 230VAC							
	EFFICIENCY(Typ.)		83%	83%	85%	85%	85%	85%	85%	
	AC CURRENT(at full load)		12V:0.8A/115VAC 0.4A/230VAC 15V:0.9A/115VAC 0.45A/230VAC 20V ~ 48V:1.1A/115VAC 0.55A/230VAC							
	INRUSH CURRENT (max.)		40A/230VAC							
	LEAKAGE CURRENT		0.75mA/240VAC							
PROTECT ON	OVER CURRENT		95 ~ 102% Protection type : Constant current limiting, recovers automatically after fault condition is removed							
	SHORT CIRCUIT		Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE		13 ~ 16V	16.5 ~ 20V	22 ~ 27V	27 ~ 34V	29 ~ 36V	39 ~ 48V	52 ~ 64V	
			Protection type : Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE		110°C±5°C(TSW1) detect on heatsink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down							
	WORKING TEMP.		-30 ~ +60							
ENVIRONMENT	WORKING HUMIDITY		20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY		-40 ~ 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:3.75KVAC	I/P-FG:1.88KVAC	O/P-FG:0.5KVAC					

	ISOLATION RESISTANCE	I/P-O/P: >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 ( $\geq 75\%$ load) ; EN61000-3-3
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, light industry level (surge 4KV), criteria A
DIMENSION		(A-195*B-180*C-172*D-65.5*E-40.3)

**Mechanical Specification**

