IP68 A F WW P R R

F30CQHP Series

30W single output with c.c circuit and PFC function



- Constant current design
- Built-in PFC function
- Protections:Over current / Over voltage / Short circuit
- IP68 design for outdoor installations
- 100% full load burn-in test
- 3 in 1 dimming function(option:D type)
- Suitable for LED lighting and street & tunnel lighting applications
- Safety standards: K61347-2,1,K61347-2-13
- EMC standards: K00015,K61547
- Plastic case

UPF30S36CQHPD

: IP62 rated. Cable for I/O connection. Blank

Output voltage and current level can be adjusted through internal potentiometer

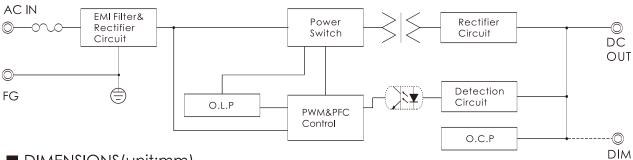
D(option): IP62 rated. Constant current level adjustable through output cable with 10V PWM signal or 1-10Vdc

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	ITEM	UPF30S36CQHP□										
	VOLTAGE RANGE	AC180~264V										
	FREQUENCY RANGE	47~63Hz										
NPUT	POWER FACTOR	PF>0.9 at over 60% of rated power										
	EFFICIENCY(typ.)	85%										
	AC CURRENT(typ.)	0.13A/230VAC (typ)										
	INRUSH CURRENT(typ.)	COLD START 5A/230VAC										
	LEAKAGE CURRENT	<2.5mA / 230VAC										
	RATED CURRENT	0.7A										
	CONSTANT CURRENT REGION	28-36V										
OUTPUT	RATED POWER	30W										
OUIPUI	CURRENT ACCURACY	±5%										
	RIPPLE&NOISE(max.) Note2	3Vp-p										
	SETUP,RISE TIME(max.)	1000ms/230VAC at full load										
PROTEC	OVER CURRENT Note3	95~108%										
-TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed										
ISOLA	WITHSTAND VOLTAGE	I/P-O/P:AC3.75KV										
-TION	ISOLATION RESISTANCE	I/P-O/P:DC500V 100Mohms(At room temp. & humid.)										
	WORKING TEMP.&HUMID.	-40~+70°C (Refer to "DERATING CURVE),20~95%RH										
ENVIRON -MENT	STORAGE TEMP.&HUMID.	-40~+80°C,10~95%RH										
WEINI	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes										
OTHERS	DIMENSION/WEIGHT	146.5*42*38mm(L*W*H)/0.3Kg										

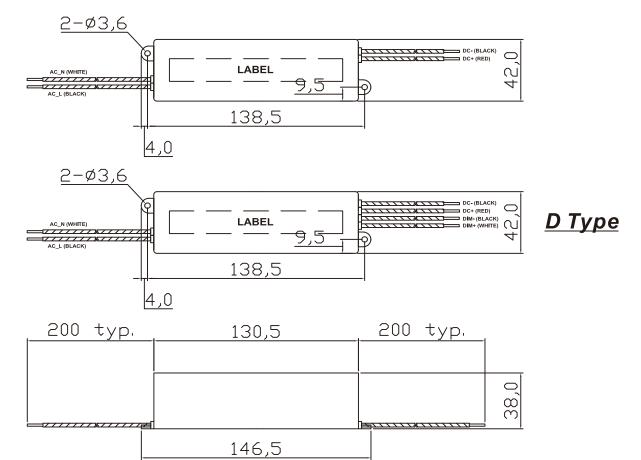
NOTE

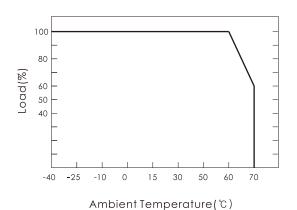
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor.
- 3. Refer to "DRIVING METHODS of LED MODULE"

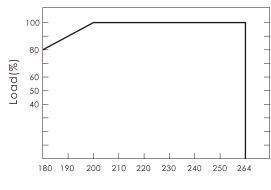
■ BLOCK DIAGRAM



■ DIMENSIONS (unit:mm)







Input Voltage(Vac), 60Hz

■ DIMMING OPERATION(option:D type)

- Built-in 3 in 1 dimming function.
 Output constant current level can be adjusted through output cable by connecting 10V PWM signal or 1-10Vdc or resistance between DIM+ and DIM-.
- Please do not connect 'DIM-' to 'V-'
- 10V PWM signal for output current adjustment(typ.):

frequency range:100Hz~3KHz

Duty Value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	Open
Percent of Rated Current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95~108%

• 1-10V dimming function for output current adjustment(typ.)

Dimming Value	1٧	2V	3V	4V	5V	6V	7V	8V	9V	10V	Open
Percent of Rated Current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95~108%

Reference resistance value for output current adjustment(typ.)

Resistance Value	Single driver	10ΚΩ	20ΚΩ	30KΩ	40ΚΩ	50ΚΩ	60 ΚΩ	70ΚΩ	80ΚΩ	90ΚΩ	100ΚΩ	Open
	Multiple driver (N=driver quantity for synchronized dimming operation)	10KΩ /N	20KΩ /N	30KΩ /N	40KΩ /N	50KΩ /N	60KΩ /N	70KΩ /N	80KΩ /N	90KΩ /N	100KΩ /N	
Percent of Rated Current		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95~108%