



Features:

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Output voltage and constant current level adjustable
- · Built-in active PFC function
- IP66 design for indoor or outdoor installations
- UL1310 Class 2 power unit
- 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
- Suitable for damp / wet location and outdoor application
- 3 years warranty

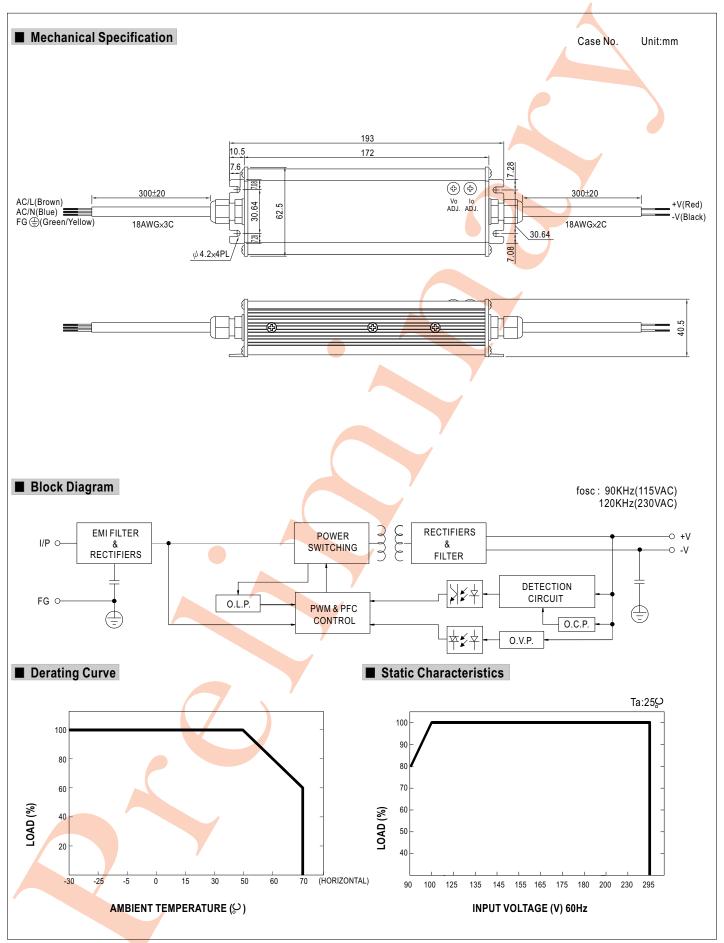
SPECIFICATION

SELV LPS TO CSUUS (except for 48V&54V) IP66 FC A GONALT COMPANY OF COUNTAINT COMPANY OF COMPANY OF

MODEL		CEN-75-15	CEN-75-20	CEN-75-24	CEN-75-30	CEN-75-36	CEN-75-42	CEN-75-48	CEN-75-54	
	DC VOLTAGE	15V	20V	24V	30V	36V	42V	48V	54V	
ОИТРИТ	CONSTANT CURRENT OPERATION VOLTAGE Note.6	9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V	
	RATED CURRENT	5A	3.75A	3.15A	2.5A	2.1A	1.8A	1.57A	1.4A	
	CURRENT RANGE	0 ~ 5A	0 ~ 3.75A	0 ~ 3.15A	0~2.5A	0 ~ 2.1A	0 ~ 1.8A	0 ~ 1.57A	0 ~ 1.4A	
	RATED POWER	75W	75W	75.6W	75W	75.6W	75.6W	75.36W	75.6W	
	RIPPLE & NOISE (max.) Note.2	2.4Vp-p	1.8Vp-p	2.7Vp-p	3Vp-p	3.6Vp-p	4Vp-p	4.6Vp-p	5Vp-p	
	VOLTAGE ADJ. RANGE (SVR1)	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	37 ~ 46V	43 ~ 53V	49 ~ 58V	
	CURRENT ADJ. RANGE(SVR2)	3.5 ~ 5A	2.8 ~ 3.75A	2.3 ~ 3.15A	1.8 ~ 2.5A	1.5 ~ 2.1A	1.3 ~ 1.8A	1.1 ~ 1.57A	1 ~ 1.4A	
	VOLTAGE TOLERANCE Note.3									
	LINE REGULATION	±3.0%								
	LOAD REGULATION	±5.0%								
	SETUP TIME	3000ms / 230VAC 5000ms / 115VAC at full load								
INPUT	VOLTAGE RANGE Note.5	90 ~ 295VAC 127 ~ 417VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	PF≥0.9 at 60 ~ 100% load, 115VAC / 230VAC; PF>0.99 / 115VAC PF>0.95 / 230VAC at full load								
	EFFICIENCY(Typ.)	88%	90%	90%	90%	90%	90%	91%	91%	
	AC CURRENT	1.1A/115VAC	0.55A/230VAC	1	1227	1	1111	1 2 1 7 2	1	
	INRUSH CURRENT(max.)	40A/230VAC								
	LEAKAGE CURRENT	<0.75mA / 240VAC								
PROTECTION		95 ~ 110%								
	OVER CURRENT	Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT Note,4									
	OVER VOLTAGE	17.5 ~ 21V	22.8 ~ 25V	28 ~ 32V	34 ~ 38V	41 ~ 46V	47 ~ 52V	54 ~ 60V	59 ~ 65V	
		Protection type	: Shut down o/p	voltage, re-pow	er on to recover				-	
	OVER TEMPERATURE	85°C±10°C (TSW1) detect on heatsink of power transistor								
		Protection type : Shut down o/p voltage, recovers automatically after temperature goes down								
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 95% 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 STANDARDS	UL1310 Class 2, UL8750, SAM list UL879, TUV EN61347-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91(except for 48V&54V), IP66 appro								
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE									
	EMI CONDUCTION & RADIATION	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH								
		Compliance to EN55015								
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C (≧60% 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							
OTUEDO	MTBF		Khrs min. MIL-HDBK-217F (25°C) 172*62.5*40.5mm (L*W*H)							
	DIMENSION		mm (L"VV"H)							
	PACKING	Kg y mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.								

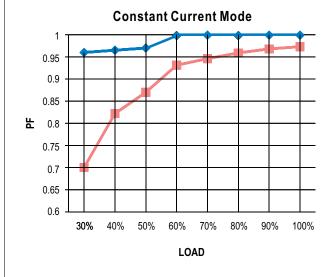
- Direct connecting to LEDs is not suggested for models with "RIPPLE & NOISE" >±10% and using additional drivers is highly recommended.
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- 4. Please refer to OLP characteristics.
- 5. Derating may be needed under low input voltage. Please check the derating curve for more details.
- 6. Constant current operation region is within 60% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.

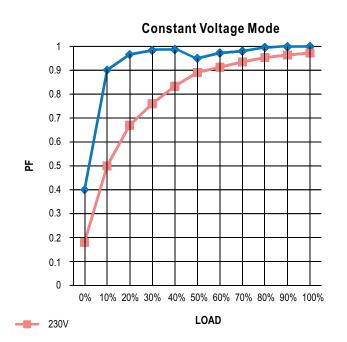






■ Power Factor Characteristic





■ OUTPUT VOLTAGE / OUTPUT CURRENT OPERATING RANGE

110V

