



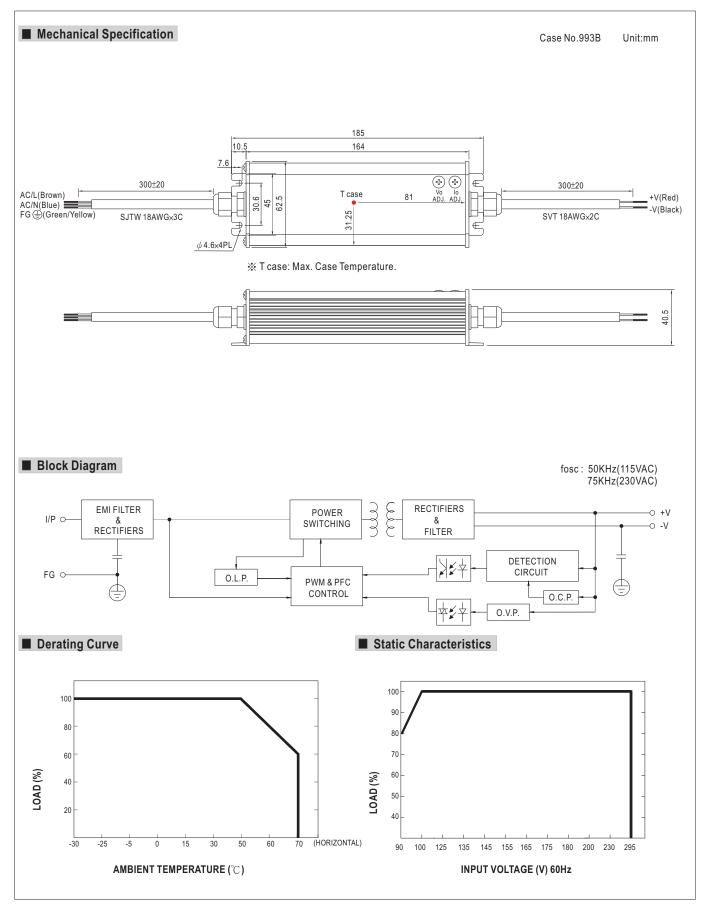
■ Features :

- Universal AC input / Full range (up to 295VAC)
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Output voltage and constant current level adjustable
- Built-in active PFC function
- IP66 design for indoor or outdoor installations
- 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 dry / damp / wet locations
- 3 years warranty

SPECIFICATION		110 M M	SELV IP66	c FLL us	BALARY GERRUFT TYPE Rendered APPROVED		ϵ
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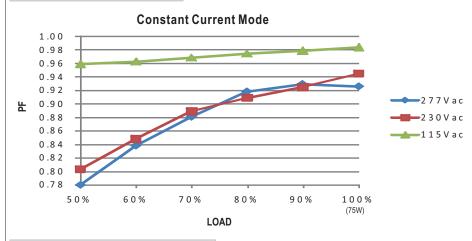
MODEL		CEN-75-15	CEN-75-20	CEN-75-24	CEN-75-30	CEN-75-36	CEN-75-42	CEN-75-48	CEN-75-54	
	DC VOLTAGE	15V	20V	24V	30V	36V	42V	48V	54V	
ОИТРИТ	CONSTANT CURRENT REGION Note.5	11.25 ~ 15V	15 ~ 20V	18 ~ 24V	22.5 ~ 30V	27 ~ 36V	31.5 ~ 42V	36 ~ 48V	40.5 ~ 54V	
	RATED CURRENT	5A	3.75A	3.15A	2.5A	2.1A	1.8A	1.57A	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		2Vp-p	2.7Vp-p	3Vp-p	3.6Vp-p	4Vp-p	4.6Vp-p	5Vp-p	
	VOLTAGE ADJ. RANGE (SVR1)		17 ~ 22V	22 ~ 27V	27 ~ 33V	33 ~ 40V	37 ~ 46V	43 ~ 53V	49 ~ 58V	
	CURRENT ADJ. RANGE(SVR2)		2.81 ~ 3.75A	2.36 ~ 3.15A	1.88 ~ 2.5A	1.58 ~ 2.1A	1.35 ~ 1.8A	1.18 ~ 1.57A	1.05 ~ 1.4A	
	VOLTAGE TOLERANCE Note.3									
	LINE REGULATION	±3.0%								
	LOAD REGULATION	±5.0%								
	SETUP TIME	1400ms / 230VAC 2800ms / 115VAC at full load								
	VOLTAGE RANGE Note.4	90 ~ 295VAC 127 ~ 417VDC								
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.97/115VA	C, PF>0.95/230	VAC, PF>0.9/27	7VAC at full load	(Please refer to '	Power Factor Cl	haracteristic" cu	rve)	
	EFFICIENCY (Typ.)	87%	88%	89%	90%	90%	90%	91%	91%	
	AC CURRENT (Typ.)	1.1A/115VAC	0.55A/230V/	AC 0.4A/27	7VAC					
	INRUSH CURRENT (Typ.)	COLD START 45A(twidth=85 \(\mu\)s measured at 50% peak) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 240VAC								
	OVER CURRENT	95 ~ 110%								
	OVER CORRENT	Protection type: Constant current limiting, recovers automatically after fault condition is removed								
DDOTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	OVER VOLTAGE	17.5 ~ 21V	22.8 ~ 26V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 52V	54 ~ 60V	59 ~ 65V	
		Protection type : Shut down o/p voltage, re-power on to recover								
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	-30 ~ +70 °C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
ENVIRONMENT	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	UL879, UL8750, CSA C22.2 No.207-M89, CSA C22.2 No.250.0-08, TUV EN61347-1, EN61347-2-13, IP66, J61347-1, J61347-2-13 approved								
0455510	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
EMC	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≥75% load) ; EN61000-3-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547, light industry level (surge 4KV), criteria B								
OTHERS	MTBF	522.2K hrs min. MIL-HDBK-217F (25℃)								
	DIMENSION	185*62.5*40.5mm (L*W*H)								
	PACKING	0.56Kg;24pcs/1	4.4Kg/1.11CUF	Γ						
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur Please refer to "DRIVING No. The power supply is consided complete installation, the fir Direct connecting to LEDs in	ed at 20MHz of tolerance, line render low input von METHODS OF Lered as a compal equipment male equipment medial equipment equipm	bandwidth by us egulation and lo oltage. Please cl .ED MODULE". onent that will b anufacturers mu	sing a 12" twister ad regulation. heck the static of the operated in court re-qualify EN	d pair-wire term characteristics for pmbination with the contractive on the contractive of the contractive o	inated with a 0.1 or more details. final equipment.	uf & 47uf paralle	·	affected by the	





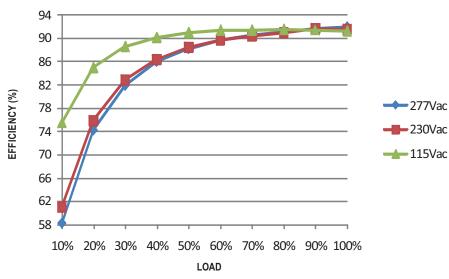


■ Power Factor Characteristic



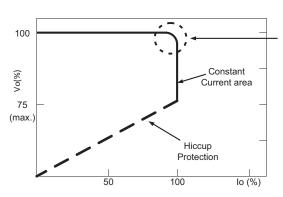
■ EFFICIENCY vs LOAD (48V Model)

CEN-75 series possess superior working efficiency that up to 91% can be reached in field applications.



■ DRIVING METHODS OF LED MODULE

This LED power supply is suggested to work in constant current mode area (CC) to drive the LEDs.



Typical LED power supply I-V curve

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.