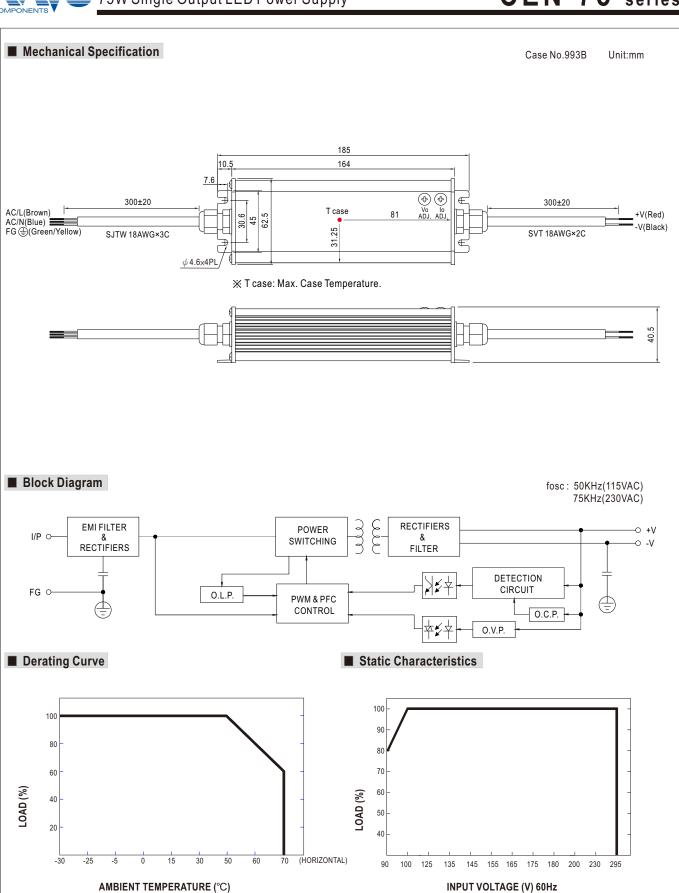


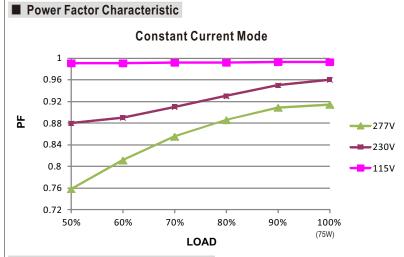
■ Features :

- 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

		IS 15885(Part 2/Sec13)										
S	PECIFICATION DO TO	M M	SELV IP66		1027766 48V,54V only)	1? 3	US PARTITION OF THE PARTITION OF T	(M)	CBC	ϵ		

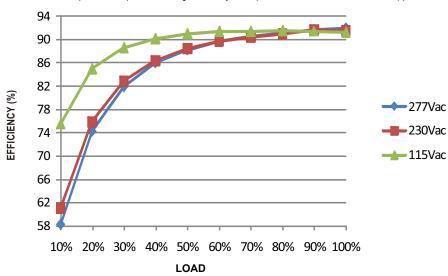
MODEL		CEN-75-15	CEN-75-20	CEN-75-24	CEN-75-30	CEN-75-36	CEN-75-42	CEN-75-48	CEN-75-54	
	DC VOLTAGE	15V	20V	24V	30V	36V	42V	48V	54V	
	CONSTANT CURRENT REGION Note.5	11.25 ~ 15V	15 ~ 20V	18 ~ 24V	22.5 ~ 30V	27 ~ 36V	31.5 ~ 42V	36 ~ 48V	40.5 ~ 54V	
	RATED CURRENT	5A	3.75A	3.15A	2.5A	2.1A	1.8A	1.57A	1.4A	
	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	2.7Vp-p	2Vp-p	2.7Vp-p	3Vp-p	3.6Vp-p	4Vp-p	4.6Vp-p	5Vp-p	
DUTPUT	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)	3.75 ~ 5A	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 ~ 1.4/	
	VOLTAGE TOLERANCE Note.3	±10%						<u>'</u>		
	LINE REGULATION	±3.0%								
	LOAD REGULATION	±5.0%								
•	SETUP TIME	500ms / 230VAC 1200ms / 115VAC at full load								
	VOLTAGE RANGE Note.4									
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.97/115VAC, PF>0.95/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)								
	TOTAL HARMONIC DISTORTION	THD< 20% when output loading≧75% at 115VAC/230VAC input and output loading≧80% at 277VAC input								
INPUT	EFFICIENCY (Typ.)	87%	88%	89%	90%	90%	90%	91%	91%	
	AC CURRENT (Typ.)		0.55A/230VAC		0070	0070	0070	0170	0170	
	INRUSH CURRENT (Typ.)		45A(twidth=85μs		1% Ineak) at 230	\/AC				
	MAX. No. of PSUs on 16A	COLD START	+0A(twiαtii=00μ3	measured at 50	7/0 lpeak) at 250	VAC				
	CIRCUIT BREAKER	25 units (circuit breaker of type B) / 25 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 240VAC								
	OVER CURRENT	95 ~ 110% Pertection type: Constant surrent limiting, recovers outpractically after fault condition is removed.								
	SHORT CIRCUIT	Protection type: Constant current limiting, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	SHOKI CIKCUII	17.5 ~ 21V	22.8 ~ 26V	28 ~ 34V	34 ~ 38V	41 ~ 46V	47 ~ 52V	54 ~ 60V	59 ~ 65V	
PROTECTION	OVER VOLTAGE					141 400	147 JZV	J4 00V	00 00V	
	OVED TEMPEDATURE	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")								
ENVIRONMENT	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, BIS IS15885(for 36V,48V,54V only), EAC TPTC 004,GB19510.1,GB19510.14 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH								
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≥75% load); EN61000-3-3, GB17743 and GB17625.1, EAC TP TC 020								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547, light industry level (surge 4KV), criteria B, EAC TP TC 020								
	MTBF	522.2Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	185*62.5*40.5mm (L*W*H)								
OTHERS	PACKING		5.4Kg/1.29CUFT							
	All parameters NOT specially n			C input, rated load	d and 25°C of am	bient temperature).			
NOTE	Ripple & noise are measured a Tolerance : includes set up tole Derating may be needed undet Please refer to "DRIVING MET The power supply is considered complete installation, the final of Direct connecting to LEDs is supply.	erance, line regular low input voltage HODS OF LED Not as a componen equipment manufa	ation and load region. Please check the MODULE". It that will be operacturers must re-question.	ulation. le static character ated in combination ualify EMC Direc	ristics for more de on with final equip tive on the compl	etails. oment. Since EMC	C performance will	be affected by the	Э	
	8. To fulfill requirements of the late	est ErP regulation		es, this LED powe	er supply can only					





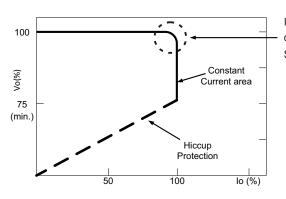
■ EFFICIENCY vs LOAD (48V Model)

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.

File Name: CEN-75-SPEC 2018-05-15