

Наличие и актуальные цены на

NPF-40-12

https://www.mean-well.ru/store/NPF-40-12/



























■ Features

- · Constant Voltage + Constant Current mode output
- · Plastic housing with Class II design
- · Built-in active PFC function
- · Class 2 power unit
- No load power consumption < 0.15W
- IP67 rating for indoor or outdoor installations
- Typical lifetime>50000 hours
- 5 years warranty

Applications

- LED panel lighting
- · LED downlight
- · LED decorative lighting
- LED tunnel lighting
- · Moving sign
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location

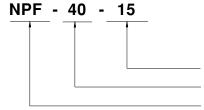
■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

NPF-40 series is a 40W AC/DC LED driver featuring the dual modes constant voltage and constant current output. NPF-40 operates from $90{\sim}305$ VAC and offers models with different rated voltage ranging between 12V and 54V. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -40°C ~ +85°C case temperature under free air convection. The entire series is rated with IP67 ingress protection level and is suitable to work for a variety of applications at dry, damp or wet locations.

■ Model Encoding



Rated output voltage(12V/15V/20V/24V/30V/36V/42V/48V/54V)

Rated wattage

Series name



40W Constant Voltage + Constant Current LED Driver

NPF-40 series

SPECIFICATION

MODEL		NPF-40-12	NPF-40-15	NPF-40-20	NPF-40-24	NPF-40-30	NPF-40-36	NPF-40-42	NPF-40-48	NPF-40-54
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V
ОИТРИТ	CONSTANT CURRENT REGION Note.2		9 ~ 15V	12 ~ 20V	14.4 ~ 24V	18 ~ 30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54\
	RATED CURRENT	3.34A	2.67A	2A	1.67A	1.34A	1.12A	0.96A	0.84A	0.76A
	RATED POWER Note.5	40.08W	40.08W	40W	40.08W	40.2W	40.32W	40.32W	40.32W	41.04W
	RIPPLE & NOISE (max.) Note.3		150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	350mVp-r
	VOLTAGE TOLERANCE Note.4		±4.0%	±4.0%	±3.0%	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.5%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME Note.6		115VAC / 23		120.070	120.070	20.070	20.070	10.070	120.070
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC								
INPUT	TIOLD OF THE (Typ.)	90 ~ 305VAC 127 ~ 431VDC								
	VOLTAGE RANGE Note.5									
	FREQUENCY RANGE	47 ~ 63Hz								
	TREGOLITOT RANGE									
	POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)								
		THD< 20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC)								
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
	EFFICIENCY (Typ.)	86%	87%	88%	89%	89%	90%	90%	90%	90%
	AC CURRENT	0.6A / 115VA).25A / 277VAC		0070	0070	0070	0070
	INRUSH CURRENT(Typ.)	0.6A / 115VAC								
	MAX. No. of PSUs on 16A	OCED OTALL SUALIMICATIONS INEGSTATED ALSO 10 INEGRA ALSO VAC; FEI INEINIA 410								
	CIRCUIT BREAKER	9 units (circuit breaker of type B) / 16 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.25mA / 277VAC								
	NO LOAD POWER CONSUMPTION									
	NO LOAD FOWER CONSUMPTION									
PROTECTION	OVER CURRENT	95 ~ 108%								
	CHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	15 ~ 17V	17.5 ~ 21V	23 ~ 27V	28 ~ 34V	34 ~ 40V	41 ~ 46V	46 ~ 54V	54 ~ 60V	59 ~ 66V
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover								
ENVIRONMENT	WORKING TEMP. MAX. CASE TEMP.	Tcase=-40 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)								
		Tcase=+85°C								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	-40~+80°C, 10~95% RH								
		±0.03%°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes UL8750(type"HL"), UL879(for 12V,24V only), CSA C22.2 No. 250.13-12, ENEC BS EN/EN61347-1, BS EN/EN61347-2-13								
SAFETY & EMC	SAFETY STANDARDS Note.8									
	WITHSTAND VOLTAGE	independent, BS EN/EN62384, EAC TP TC 004, GB19510.1, GB19510.14, IP67 approved; Design refer to BS EN/EN60335-I/P-O/P:3.75KVAC								
	ISOLATION RESISTANCE									
	ISOLATION RESISTANCE	I/P-0/P:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION Note.8	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≥ 60%); BS EN/EN61000-3-3; GB/T 17743, GB17625.1, EAC TP TC 020								
		Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level (surge immunity Line-Line 2KV); EAC TP TC 020								
	EMC IMMUNITY									
OTHERS	MTBF	3084.3K hrs min. Telcordia SR-332 (Bellcore); 288.2Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	150*53*35mr		, , , ,	,,			(' ' ' ' '		
	PACKING	0.49Kg:30pc	s/15.7Kg/1.0C	UFT						
OTE	All parameters NOT special				out, rated curre	ent and 25°C o	f ambient temr	erature.		
NOTE	2. Please refer to "DRIVING M	METHODS OF LED MODULE".								
		red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.								
	· ·	o tolerance, line regulation and load regulation. under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.								
	9 9	easured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.								
	7. The driver is considered as	s a component that will be operated in combination with final equipment. Since EMC performance will be affected by the								
		nal equipment manufacturers must re-qualify EMC Directive on the complete installation again.								
	(as available on https://www		-	_		aco norticulari	(to) point (a-	TMD por DI C	is about 75°C	or loss
		al life expectancy of >50,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 75°C or less. v statement on MEAN WELL's website at http://www.meanwell.com								

10. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

9. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com

https://www.meanwell.com/Upload/PDF/LED_EN.pdf

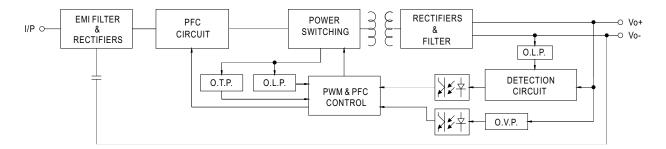
11. For any application note and IP water proof function installation caution, please refer our user manual before using.

💥 Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



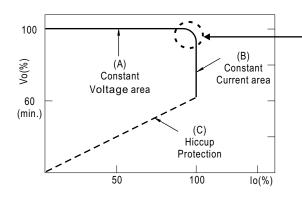
■ BLOCK DIAGRAM

PFC fosc: 50~120KHz PWM fosc: 60~130KHz



■ DRIVING METHODS OF LED MODULE

X This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs.

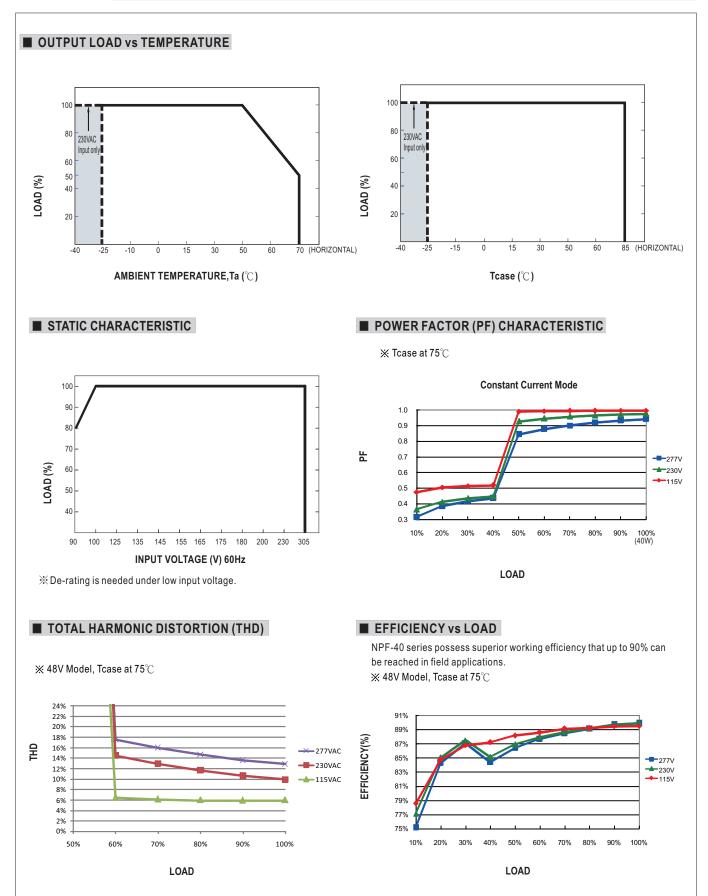


Typical output current normalized by rated current (%)

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

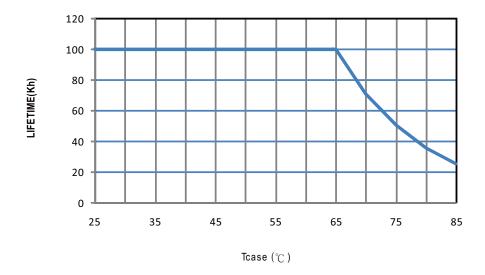
Should there be any compatibility issues, please contact MEAN WELL.







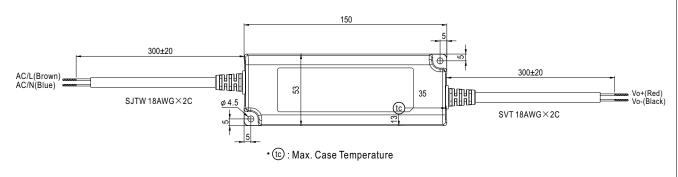
■ LIFE TIME





■ MECHANICAL SPECIFICATION

CASE NO.: NPF-60A Unit:mm Tolerance:±1





■ Recommend Mounting Direction



■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html