













Features

- · Universal AC input / Full range
- · Built-in active PFC function
- · High efficiency up to 95%
- · Fanless design, cooling by free air convection
- -55~+70°C wide operating range
- · Aluminum case and filling with heat-conducted silicone
- · IP65 design, optional IP68 rated model available
- Meet 6KV surge immunity level
- · Withstand 10G vibration test
- · Operating altitude up to 5000 meters (Note.8)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- 6 years warranty

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Applications

- Outdoor telecommunication equipment
- · Outdoor electronic signage and billboard
- · Petroleum plant or mine shaft facility

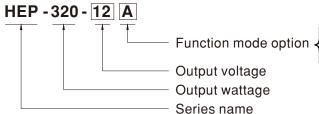
■ GTIN CODE

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

Description

HEP-320 is a 320W industrial AC/DC power supply featuring the outstanding capability to operate under a harsh environment with high dust density, humidity, vibration and altitude. The entire series is housed with a robust aluminum case and fully potted with heat-conducted silicone. Thanks to state-of-the-art design, the working efficiency is up to 95%, enabling HEP-320, with a fanless design, perfectly work between -55°C and +70°C under free air convection.

■ Model Encoding



A: Standard model, IP65, Vo and lo level can be adjusted through internal potentiometer.

Blank: Optional model, IP68, with fixed Vo and Io level.



SPECIFICATION

MODEL		HEP-320-12	HEP-320-15	HEP-320-24	HEP-320-36	HEP-320-48	HEP-320-54
	DC VOLTAGE	12V	15V	24V	36V	48V	54V
ОИТРИТ	RATED CURRENT	22A	19A	13.34A	8.9A	6.7A	5.95A
	RATED POWER	264W	285W	320.16W	320.4W	321.6W	321.3W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	250mVp-p	250mVp-p	350mVp-p
	VOLTAGE ADJ. RANGE Note.5		13.5 ~ 17V	21 ~ 26V	32 ~ 39V	43 ~ 52V	49 ~ 58V
	CURRENT ADJ. RANGE Note.5		9.5 ~ 19A	6.67 ~ 13.34A	4.45 ~ 8.9A	3.35 ~ 6.7A	2.97 ~ 5.95A
	VOLTAGE TOLERANCE Note.3		±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2.0%	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%
		\$ 2500ms,80ms/115VAC 600ms,80ms/230VAC at full load					
	HOLD UP TIME (Typ.)	15ms at full load 230VAC /115VAC					
INPUT		90~264VAC (277VAC operational) 128~370VDC(390VDC operational)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.94/277VAC at full load					
	EFFICIENCY (Typ.)	91%	92.5%	94%	94%	94.5%	95%
	AC CURRENT (Typ.)	1 11		1.45A / 277VAC	J + 70	34.370	3370
	INRUSH CURRENT(Typ.)	COLD START 70A at 230VAC 1.49A7 277 VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
	LEARAGE CORRENT						
PROTECTION	OVER CURRENT	105 ~ 125%					
	AUADT AIDAUIT	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	14 ~ 17V	17.5 ~ 21V	27 ~ 33V	40 ~ 46V	53.5 ~ 60V	59 ~ 65V
		Protection type: Shut down and latch off o/p voltage, re-power on to recover					
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover					
	WORKING TEMP.	-55 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-60 ~ +80°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION	20 ~ 500Hz, 10G 12min./1cycle, period for 72min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS Note.8	UL62368-1,IEC62368-1, IP65 (or IP68 for HEP-320 Blank-Type), EAC TP TC 004 approved; Design refer to BS EN/EN62368-1					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level (surge 6KV), EAC TP TC 020					
OTHERS	MTBF	1565.6K hrs min. Telcordia SR-332 (Bellcore) ; 154.2Khrs min. MIL-HDBK-217F (25° C)					
	DIMENSION	252*90*43.8mm (L*W*H)					
	PACKING	1.88Kg; 8pcs/16Kg/0.92CUFT					
NOTE	All parameters NOT speciall Ripple & noise are measure Tolerance: includes set up to the control of the control o	ad at 20MHz of bandw tolerance, line regulat inder low input voltage asured at cold first state ered as a component al equipment manufa meanwell.com//Uploa erating of 3.5°C/1000r est for the IP68 rating	vidth by using a 12" to ion and load regulation is. Please check the seart. Turning ON/OFF to that will be operated currers must re-qualify ad/PDF/EMI_statement with fanless models is performed 1000mr	wisted pair-wire terming. thatic characteristics for the power supply may in combination with five EMC Directive on the en.pdf) and of 5°C/1000m vin below the surface of	or more details. I lead to increase of the complete installation with fan models for op of the water for 1 more	the set up time. EMC performance in again. Berating altitude high th.	will be affected by th



