

Order number

EPNW 2405

Technical Information

Single Phase Power Supply EPNW 2405



Description	EPNW 2405
	Power Supply for DIN-Rail 24 V / 5 A with extendet range Input

Characteristics	
	High Cost-Effectiveness
	Extendet range Input
	Compact Dimension, low weight
	100% full load burn-in test
	High efficiency
	Integrated Inrush Current limitation
	Protections: Short circuit / Overload / Over voltage / Over temperature

Output	
DC Voltage	24 V
Rated Current	5 A
Current Range	0 ~ 5 A
Rated Power	120 W
Terminal connections	-V = Output - Ground +V = Output + 24 VDC
Connection - square	max. 6 sqmm
Protection	Against short circuit is integrated Mode – Rated output power is 105 – 150 % max. rated current and output voltage decreases Recovers after normal load
Interference Voltage Ripple&Noise (max.)	80 mVp-p (see Derating)
Voltage ADJ. Range	24 ~ 28 V
Voltage Tolerance	+/- 1% max.
Line Regulation	+/- 0,5% max.
Load Regulation	+/- 1% max.
Setup, Rise Time	500 ms, 70 ms / 230 VAC 500 ms, 70 ms / 115 VAC at full load
Hold up time (Typ.)	36 ms / 230 VAC 32 ms / 115 VAC at full load

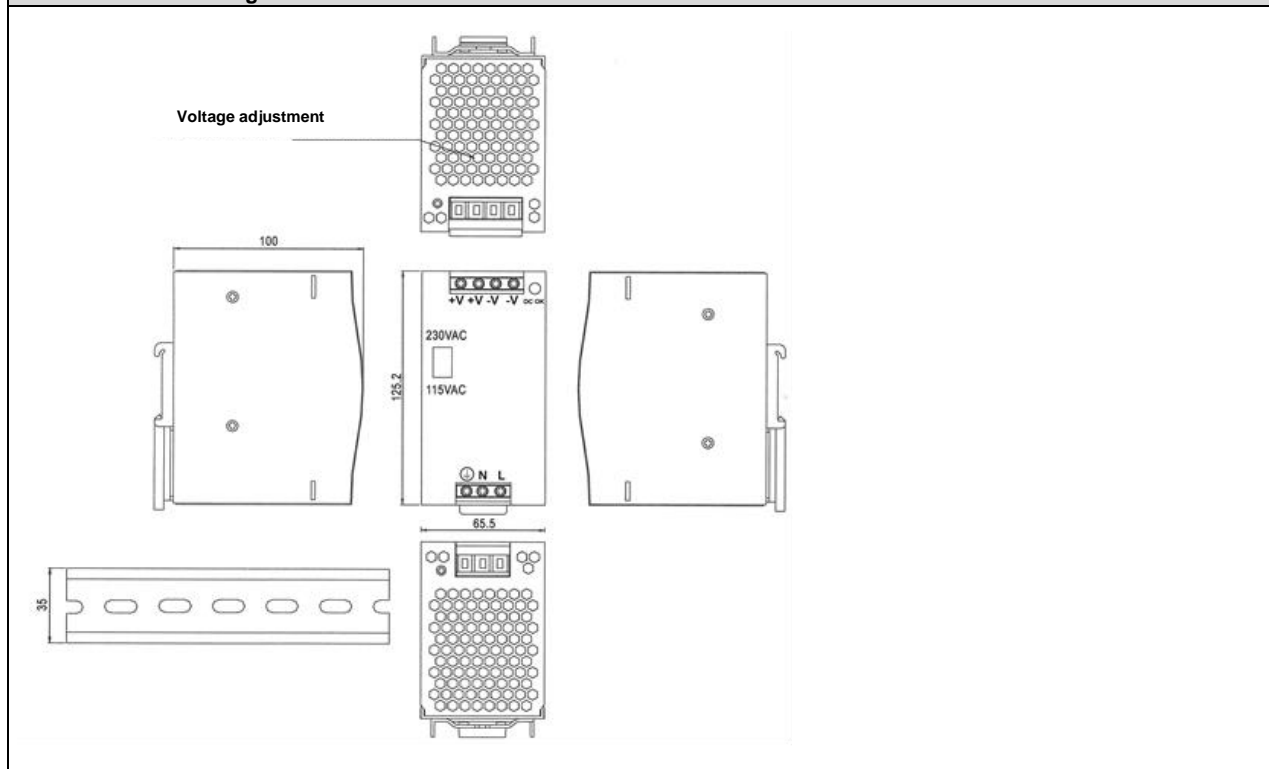
Input	
Voltage Range	88 ~ 132 VAC / 176 ~ 264 VAC reversible (see Derating curve) 248 ~ 370 V DC
Terminal connections	⊕ = Protected earth N = neutral L = line
Terminals	max. 6 sqmm
Protection	Inside - Fuse 4 amps T (5x20 mm) Must do – only wire-protection
Frequency Range	47 ~ 63 Hz
Efficiency (Typ.)	84 %
AC Current (Typ.)	2,6 A / 115 VAC 1,6 A / 230 VAC
Inrush Current (Cold Start)	20 A / 115 VAC 40 A / 230 VAC
Leakage Current	<3,5 mA / 240 VAC

Safty/EMC	
Safety Standards	UL508, UL60950-1, EN60950-1
Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC
EMI Conduction & Radiation	EN55011, EN55022 / B
Harmonic Current	EN61000-3-2,-3,
EMS Immunity	EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61000-6-2 (EN50082-2)

Protection	
Overload	105 ~ 150% rated output power
Overvoltage	29 ~ 33 V Protection type: Shut down o/p voltage, re-power (off-on) to recover
Over Temperature	90 °C ±5 °C Protection type: Shut down o/p voltage, recovers automatically after temperature goes down

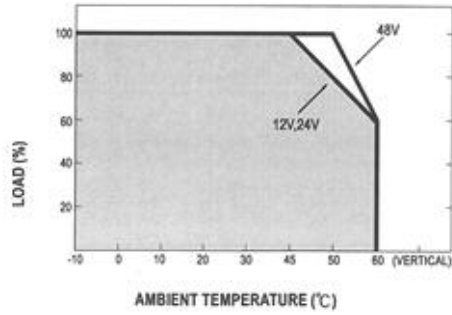
Enviroment	
Working Temperature and Humidity	-10 ~ +60°C (see Derating) 20 ~ 90% RH non-condensing
Storage Temperature, Humidity	-20 ~ +85°C, 10 ~ 95% RH non-condensing
Temperature Coefficient	+/- 0,03% / °C (0 ~ 50°C)
Vibration	10 ~ 500 Hz, 2G each axes, IEC 60068-2-6

Dimension and Packing



Dimensions B x H x T mm	65,5 x 125,2 x 100
Weight g	650

Derating Curve
Temperature / Output Rating



Input / Output

