



DIN Rail Mounted Power Supplies 15W—480W

P-30-XX, P-50-XX
P-75-XX, P-75-XX
P-120-XX, P-240-XX
P-480-XX

- Low cost, rugged high grade industrial units
- World wide approvals: UL/ CUL/ TUV/ CB/ CE
- All models 115/230V a.c. input
- LED power on indication
- 100% full load burn in test
- Compact size, light weight
- Short circuit, over load, over voltage protection
- Over temperature protection
- Power factor correction P-240 & P-480 models
- Many applications including battery charging



DESCRIPTION

This range offers a selection of DIN rail mounted power supplies for many applications. Select from power between 15 and 480 watts and output from 5 to 48 Volts. All models are fully protected

<u>Model</u>	<u>Output Voltage & Current</u>		<u>Adjustment</u>	<u>Dimensions W X H X D mm</u>
P-30-05	5V	3.0A	4.75~5.5V)
P-30-12	12V	2.0A	10.8~13.2V) 77 X 93 X 66 (plastic case)
P-30-15	15V	1.75A	13.5~16.5V)
P-30-24	24V	1.3A	21.6~26.4)
P-50-05	5V	5.0A	4.75~5.5V)
P-50-12	12V	3.5A	10.8~13.2V) 77 X 93 X 66 (plastic case)
P-50-15	5V	2.8A	13.5~16.5V)
P-50-24	24V	12.0A	21.6~26.4)
P-75-12	12V	6.3A	12~14V)
P-75-24	24V	3.2A	24~28V) 55 X 125 X 100 (metal case)
P-75-48	48V	1.6A	48~53V)
P-120-12	12V	10.0A	12~14V)
P-120-24	24V	5.0A	24~28V) 65 X 125 X 100 (metal case)
P-120-48	48V	2.5A	48~53V)
P-240-12	12V	20.0A	12~14V)
P-240-24	24V	10.0A	24~28V) 125 X 125 X 100 (metal case)
P-240-48	48V	5.0A	48~53V)
P-480-24	24V	20.0A	24~28V)
P-480-48	48V	10.0A	48~55V) 227 X 125.2 X 100 (metal case)



SPECIFICATION

Input voltage	85-264Vac, 47-63Hz auto range or 120-379Vdc. (P-120 & P-480 switch selectable)
Input current	P-30, P-50<1.5A P75<2A, P-120-115V <3.3A/230V<2A P-240<3.5A P-480<6A
Inrush current	Cold start 115/230Vac - 30/60A max.
Overload protection	105-150% output, constant current limiting.- auto recovery
Over voltage protection	115-150% of output voltage – auto recovery
Set up/rise/hold up time	Typically 800/60/20mS, P-240/480 120/40/16mS
Ripple & noise	12V/24V/48V outputs typically 80/80/150mV, P-30/50 5V,12V,15V,24V, typically 100/200/240/480mV
Isolation	I/P-O/P: 3KV,OP/FG: 1.5KV, 1 minute
EMC standards	EN55022 class B, EN61000-3-2, 3, EN50082-2 EN61000-4-2, 3,4,5,6,8,11, ENV50204
Op. Temp. range	-10C to +60C (above 50C derate linearly to 60% load at 60C) P-30/ P-50 -10C to +50C (P-50 derate to 80% load above 45C) P-240 -10C to +70C (Above 55C derate linearly to 60% load at 70C) P-480 -20C to +70C (Above 50C derate linearly to 60% load at 70C)
Connections	Screw terminals
Efficiency	. Typically 76 to 89%

ORDER CODE:

{PS}- {type} - {Output Voltage}

i.e. P-50-24

See table overleaf for available models

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