

Desk Top Power Supplies

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PSE130 Series

83-130 Watts Switch Mode

Universal AC Input

The PSE130 series of AC/DC switching power supplies offer up to 130 Watts of continuous output power from a universal AC input.

All models meet CISPR class 'B' and FCC class 'B' emission limits and carry full UL, cUL & TUV(EN60950) safety approvals.



Features

- Single & dual output versions
- Optional output connectors
- 100% burn in
- Wide input voltage range of 90-264VAC
- Input Surge Current Protection
- Overvoltage Protection
- Overcurrent Protection
- Input conforms with EN1000-3-2 Power Factor Correction

Specification

Input Voltage:	90-264 VAC
Input Frequency:	47-63 Hz
Input Current:	3.2A 115VAC, 1.7A 230VAC
Earth Leakage Current:	0.5mA typical, 0.75mA max
Output Voltage:	See table
Output Current:	See table
Output Power:	See table
Ripple & Noise:	0.5% typical, 1% max pk-pk
Line Regulation:	0.5% typical, 1% max
Load Regulation:	3% typical, 5% max
Over Voltage Protection:	112-132% nominal current
Over Current Protection:	110-150% nominal current
Efficiency:	75-88% depending on model
Temperature Coefficient:	All outputs $\pm 0.04\%$ /degree C maximum
Transient Response:	4mS 50-100% load change
Hold Up Time:	16mS @ 100VAC input & full load
Operating Temperature:	0° to +70° C, derate linearly from 100% at 40° C to 50% at 70° C
Storage Temperature:	-40° to +85° C
Relative Humidity:	5 to 95%
Safety Approvals:	UL, cUL, EN60950, CB & CE
EMC:	Conform to EN55022'B', FCC Part 15'B' and CISPR 22 class 'B'

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Output Voltage/Current Rating Chart - PSE130 Series

Model	Output Voltage	Output Current	Total Regulation	Max Output Power
PSE130-35-RM*	3.5VDC	28.57A	7%	100W
PSE130-05	5VDC	23A	7%	100W
PSE130-09	9VDC	14.44A	5%	130W
PSE130-12	12VDC	10.83A	5%	130W
PSE130-15	15VDC	8.67A	5%	130W
PSE130-18	18VDC	7.22A	5%	130W
PSE130-24	24VDC	5.42A	5%	130W
PSE130-48	48VDC	2.71A	5%	130W

Standard models fitted with 1.8 metre output lead fitted with 5 pin 180° din connector, except voltage below 9V which are fitted with an 8 pin din connector.

*PSE130-35-RM is fitted with remote sense on output connector

Options: Alternative output connectors available, consult sales office with your requirements.

Any voltage available within the range of 3V to 55V DC.

Some options subject to minimum order quantities.

Model	Output 1				Output 2				Max Output Power
	Vnom	Imin	Imax	Total Reg.	Vnom	Imin	Imax	Total Reg.	
PSE130-3312	+3.3V	4A	20A	10%	+12V	0.2A	2A	5%	90W
PSE130-512	+5V	4A	20A	5%	+12V	0.2A	2A	5%	120W
PSE130-515	+5V	4A	20A	5%	+15V	0.2A	2A	5%	120W
PSE130-524	+5V	4A	20A	5%	+24V	0.1A	2A	5%	120W
PSE130-512H	+5V	2A	10A	5%	+12V	1A	5A	10%	110W

Standard output connector 8 pin din connector.

Alternative connectors available, consult sales office.

