

NEW



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WIPOS PRO LINE PSU1

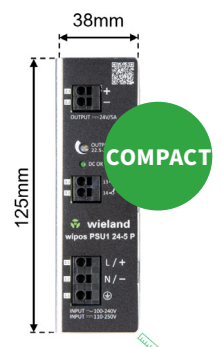
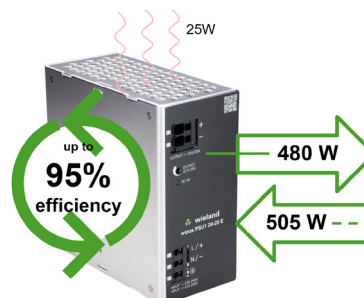
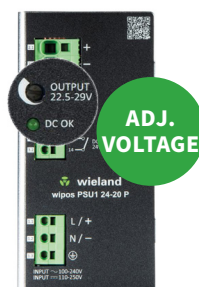
1-PHASE POWER SUPPLIES

The WIPOS PRO LINE PSU1 one-phase power supplies delivers **high efficiency, compact design, sustained power boost, superior surge protection, and easy push-in connectivity** to keep machines running reliably in demanding environments.

We developed PSU1 to solve the real-world challenges customers face, including limited panel space, unpredictable loads, harsh electrical noise, and the need for **long-life, extended range or smaller conductor** applications, maintenance friendly power systems. This new product portfolio, replacing our P1 and PS1 offering, is engineered for the precision and stability required by today's sensitive safety controls and industrial communication equipment, ensuring consistent performance.



- + **Wide input range** for flexible AC/DC applications
- + **Up to 95% efficiency** for reduced energy consumption and heat generation
- + **Up to 130% power boost** for reliable handling of temporary overloads
- + **Easy Push-In connectivity** for fast, tool-free installation
- + **PRO version with DC OK LED and relay contacts** for quick, convenient diagnostics
- + **Reliable operation from -25 °C to +70 °C** for demanding environments
- + **Adjustable output up to 29 V** to compensate for voltage drop over long cable runs
- + Superior surge protection for enhanced system reliability
- + **Compact design** ideal for space-limited control panels
- + **Minimal lateral clearance** to maximize panel space and installation flexibility
- + QR code on every product for **quick access to technical product information** and manuals in the eShop



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PRO LINE · WIPOS 1-PHASE POWER SUPPLIES TECHNICAL DATA



Description	wipos PSU1 24-5 E/P	wipos PSU1 24-10 E/P	wipos PSU1 24-20 E/P	wipos PSU1 24-1.25 E	wipos PSU1 24-2.5 E	wipos PSU1 24-4.2 E
Art. No.	81.000.1105.0/1	81.000.1110.0/1	81.000.1120.0/1	81.000.1100.0	81.000.1101.0	81.000.1102.0

Output

Power output	120 W	240 W	480 W	30 W	60 W	100 W
Output voltage DC nominal	24 V	24 V	24 V	24 V	24 V	24 V
Output voltage DC min.	22.5 V	22.5 V	22.5 V	24 V	24 V	24 V
Output voltage DC	29 V	29 V	29 V	28 V	28 V	28 V
Output current	5 A	10 A	20 A	1.25 A	2.5 A	4.2 A

Input

Input voltage DC min.	93 V	93 V	93 V	120 V	120 V	120 V
Input voltage DC max.	300 V	300 V	300 V	373 V	373 V	373 V
Input voltage AC min.	90 V	90 V	90 V	85 V	85 V	85 V
Input voltage AC max.	264 V	264 V	264 V	265 V	265 V	265 V
Inrush current AC	15 / 19 / 29A < 1 ms	12 / 15 / 35A < 1ms	9 / 11 / 20A < 4ms	40 A, cold start	50 A, cold start	40 A, cold start

Technical features

Power Boost	156 W / 80s	312 W / 10s	552 W / 200s			
Efficiency	up to 92 %	up to 94.4 %	up to 95.1 %	up to 90 %	up to 90%	up to 91%
MTBF 25°C environment full load	2.43 mio h	1.48 mio h	1.17 mio h	384855 h	283620 h	210505 h

Dimensions

Depth	110 mm	127 mm	129 mm	90 mm	90 mm	100 mm
Width	38 mm	44 mm	60 mm	21 mm	30 mm	45 mm
Height	125 mm	125 mm	125 mm	75 mm	75 mm	75 mm
Weight	460 g	615 g	900 g	95 g	175 g	300 g

PERFORMANCE FEATURES

- + AC or DC input
 - + DC output power
 - + Voltage
 - + Output current
 - + Temperature range
 - + Mains failure bridging time
- 1-phase
120 - 480 W
24 V
5 - 20 A
-25°C...+70
>30




 IEC EN 61010-1



NEW



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WIPOS PROLINE PBS1

LOW PROFILE 1-PHASE POWER SUPPLIES

The **wipos PBS1 Low Profile Series** delivers reliable, space-saving power for building automation and industrial applications where every millimeter counts. These **compact** 1-phase power supplies provide 10–100W of output power with a wide 85–264 VAC input range and 12 or 24 VDC output options. With a **Class II protective-insulation design**, convection cooling, long-life components, and operation from -20°C to +71°C, the PBS1 combines **dependable performance with easy, maintenance-free installation in confined spaces or shallow control cabinets**. Select models also feature adjustable output voltage for added flexibility.



- + **Up to 90% efficiency:** Lower energy use and improved thermal performance.
- + **Class II protection:** eliminates the need for a ground connection, making it easier to wire and install in compact distribution boards.
- + **Wide input range:** Flexible operation from 85–264 VAC.
- + **Long-life design:** >8 years E-Cap life at 40°C and 75% load.
- + **Low standby/idle consumption:** Reduces energy use and operating costs.

TYPICAL APPLICATIONS

- + Building automation
- + Distribution boards
- + HVAC and zone control
- + Lighting
- + Control panels: PLCs, relays, sensors and I/O

TYPICAL INDUSTRIES



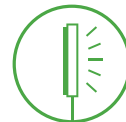
Building



Industrial



Renewable



Lighting



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BUILDING LINE · WIPOS PBS1 · TECHNICAL DATA



Description	wipos PBS1 24-0.42	wipos PBS1 12-2	wipos PBS1 24-1.25	wipos PBS1 24-2.5	wipos PBS1 24-4.2
Art. No.	81.000.1210.0	81.000.1200.0	81.000.1211.0	81.000.1212.0	81.000.1214.0

Output

Power output	10 W	25.2 W	30 W	60 W	100 W
Output voltage DC nominal	24 V	12 V	24 V	24 V	24 V
Output voltage DC min.	-	12 V	24 V	24 V	24 V
Output voltage DC max.	-	15 V	28 V	28 V	28 V
Output current	0.42 A	2.1 A	1.25 A	2.5 A	4.2 A

Input

Input voltage DC min.	120 V	120 V	120 V	120 V	120 V
Input voltage DC max.	373 V	373 V	373 V	373 V	373 V
Input voltage AC min.	85 V	85 V	85 V	85 V	85 V
Input voltage AC max.	264 V	264 V	264 V	264 V	264 V

Technical features

Efficiency	87 %	87 %	88 %	89 %	88 %
MTBF	1,401,366 h	704,390 h	704,390 h	369,824 h	437,110 h
Overcurrent protection	105% Hiccup-Mode w/ Automatic Recovery	105% Hiccup-Mode w/ Automatic Recovery	105% Hiccup-Mode w/ Automatic Recovery	105% Hiccup-Mode w/ Automatic Recovery	105% Hiccup-Mode w/ Automatic Recovery
Housing material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate

Dimensions

Depth	55.6 mm	55.6 mm	55.6 mm	55.6 mm	55.6 mm
Width	18 mm	36 mm	36 mm	54 mm	72 mm
Height	90 mm	90 mm	90 mm	90 mm	90 mm
Weight	65 g	120 g	120 g	200 g	280 g

PERFORMANCE FEATURES

- + AC or DC input
 - + DC output power
 - + Voltage
 - + Output current
 - + Temperature range
- 1-phase
10 - 100 W
12 V, 24 V
0.42 A - 4.2 A
-25 °C...+71 °C






 CLASS II IEC EN 62368-1, 60950-1