

Din Rail Power Supply

TPS100-320W Peak DR+ Series





Special Features

- Power Boost 170 % for 10 sec.
- Convection Cooling
- Efficiency to 93 %
- OTP, OVP, Overload Protection
- UL, CE, TÜV According to UL60950-1
- 5 Years Warranty

Key Applications

- Automation Industry
- LED Lighting
- Telecommunication

100W, 150W, 240W, 320W

Input	85 - 264 VAC, 47 - 63 Hz, 120 - 370 VDC
Output	See Table
Output Power	100 - 320 W

Electrical Specifications

Input	Operating Conditions
Input Range	85-264 VAC or 120-370 VDC automatically
Frequency	47-63 Hz
Power Factor	>0.96
Leakage Current	< 0.5 mA @ Input 264 VAC, 50/60 Hz
Output	Operating Conditions
Output Voltage Adjust	12 - 15 VDC or 24 - 28 VDC adj.
Hold-up Time	20 ms @ full Load, 230 VAC
Ripple/Noise	< 1 % of Output Voltage
Output Power	Power Boost 170 % for 10 Sek., Auto Recover

Safety, EMC

CE compliance with Low-Voltage Directive 2014/35/EU

EMC Directive compliance with 2014/30/EU

Safety compliance with UL508, UL60950-1, EN60950-1

Environmental

Item	Operating Conditions
Operating Temperature	0°C - 70°C Ambient (Derating from 50°C - 70°C)
Electromagnetic Susceptibility	Meet IEC 801, -2, -3, -4, -5,-6, Level 3
Humidity	5 - 95 %, Non-Condensing
Storage Temperature	-25°C-85°C
Altitude	3000m
MTBF demonstrated	>350.000/h at full Load at 25°C Ambient

Installation

Mounting at DIN RAIL TS 35/7.5 or TS 35/15 vertical

N, L and DC Terminal: Cable in AWG26-14 (0.15 - 2.5 mm²), 300 VAC

Accessories and Packing

1 x Power Supply

1 x Manual

1 x Desiccant

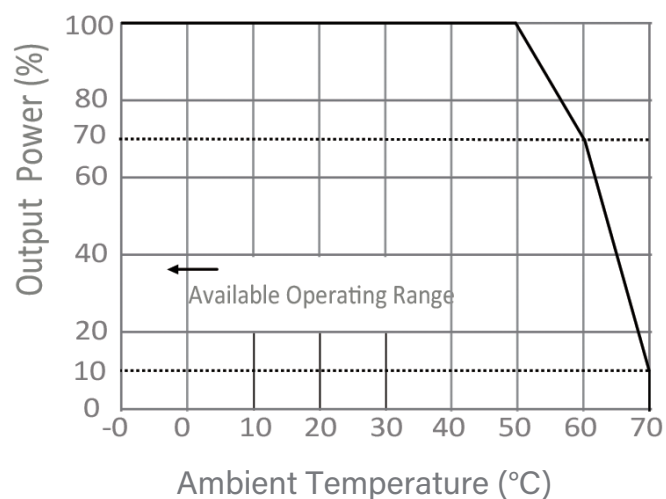
Ordering Information

Article No.	Product Name	Voltage(V)	Current(A)	Power(W)	Efficiency
901004403	TPS100-DR1S12A	12-15	8	96	91%
901004404	TPS100-DR1S24A	24-28	4.2	100	92%
901004401	TPS150-DR1S12A	12-15	12.5	150	92%
901004402	TPS150-DR1S24A	24-28	6.3	150	93%
901004501	TPS240-DR1S12A	12-15	20	240	93%
901004503	TPS240-DR1S24A	24-28	10	240	93%
901004504	TPS320-DR1S12A	12-15	26.7	320	93%
901004505	TPS320-DR1S24A	24-28	12.5	320	93%

Efficiency at 220 VAC by max. Load

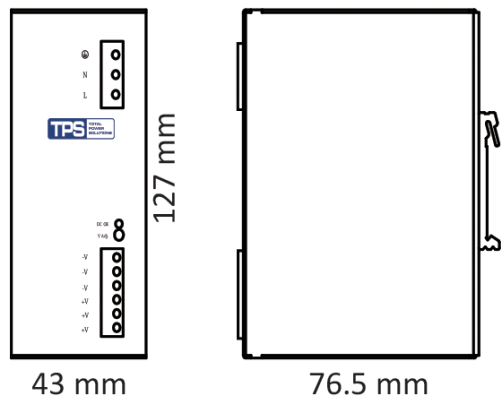
• Deratings

100W-320W DR+ With Cover Type

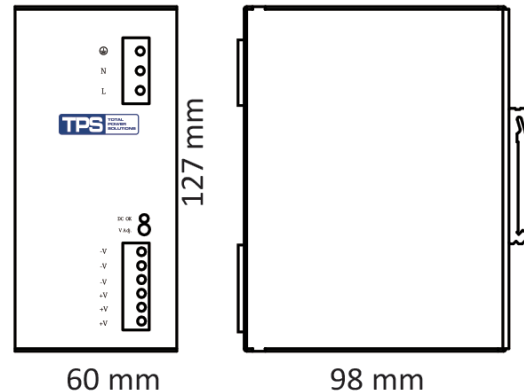


Mechanical Drawing, Terminal Block and LED Indicator

• TPS100W-150W Series

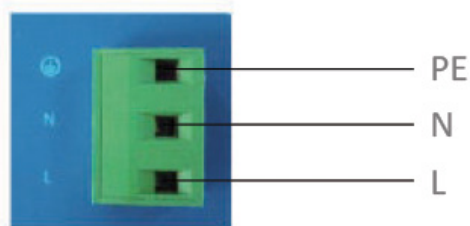


• TPS240W-320W Series

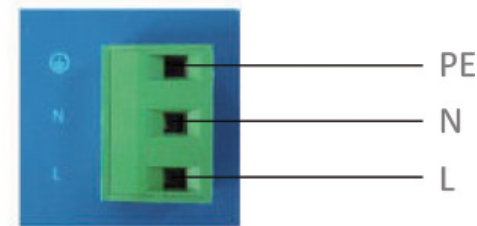


Input Terminal 100 - 240 VAC, 50/60 Hz

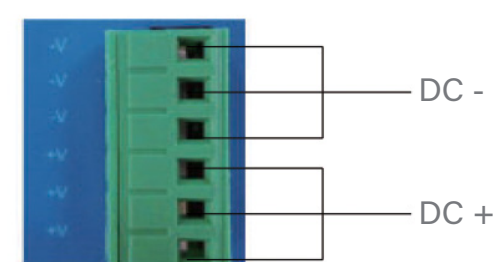
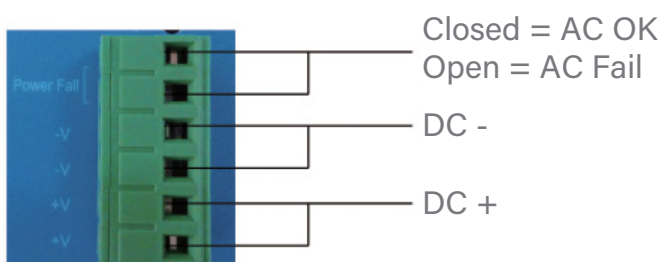
• TPS100W-150W Series



• TPS240W-320W Series



Output Terminal



This electronic device must not be disposed of in the household waste at the end of its service life. For your return, there are free collection points for electrical appliances and, if necessary, additional points of acceptance for the reuse of the devices in your area. The addresses can be obtained from your city or communal administration. If the old electrical or electronic device contains personal data, you are responsible for deleting it before you return it. Further information: www.elektrogesetz.de