



TPS100-480W DR+ Series



100 W, 150 W, 240 W, 320 W, 480 W

Input: 100 - 264 VAC, 47 - 63 Hz, 120 - 370 VDC
Output: See Table
Output Power: 100 - 480 W

Electrical Specifications

Input

Input range: 100 - 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

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
Parallel Operation: Yes

Safety, EMC

CE compliance with Low-Voltage Directive 2014/35/EU
EMC Directive compliance with 2014/30/EU
Safety compliance with UL508, UL62368-1, EN62368-1

Environmental

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: 3000 m
MTBF demonstrated: > 350.000/h at full Load at 25°C Ambient

Installation

Mounting to DIN RAIL TS 35/7.5 or TS 35/15 Vertical
N, L and DC Terminal: Cable AWG26 - 14 (0.15 - 2.5 mm²), 300 VAC

Accessories and Packing

1 x Power Supply
1 x Manual

Special Features

- Infinitely adjustable via Potentiometer
- Convection Cooling
- Efficiency to 91 %
- OTP, OVP, Overload Protection
- UL, CE, TÜV According to UL62368-1
- 5 Years Warranty

Key Applications

- Automation Industry
- LED Lighting
- Telecommunication

Ordering Information

Article No.	Article Name	Voltage (V)	Current (A)	Power (W)	Efficiency
901004403-42407	TPS100-DR1S12A	12 - 15	8	96	91 %
901004404-42408	TPS100-DR1S24A	24 - 28	4.2	100	91 %
901004401-42409	TPS150-DR1S12A	12 - 15	12.5	150	91 %
901004402-42410	TPS150-DR1S24A	24 - 28	6.3	150	91 %
901004501-42411	TPS240-DR1S12A	12 - 15	20	240	91 %
901004503-42412	TPS240-DR1S24A	24 - 28	10	240	91 %
901004505-42414	TPS320-DR1S24A	24 - 28	12.5	320	91 %
901004513-42504	TPS480-DR1S12A	12 - 15	40	480	91 %
901004515-42505	TPS480-DR1S24A	24 - 28	20	480	91 %

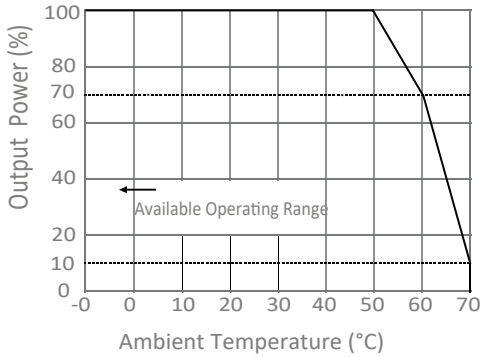
Efficiency at 220 VAC by max. Load

TPS100-480W DR+ Series



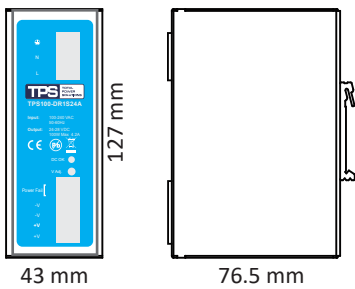
Deratings

100W-480W DR+ WITH COVER TYPE

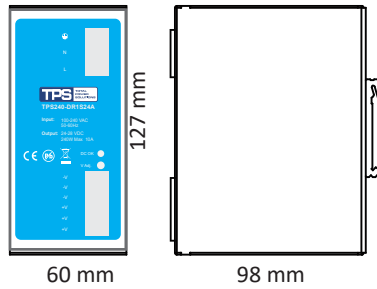


Mechanical Drawing, Terminal Block and LED Indicator

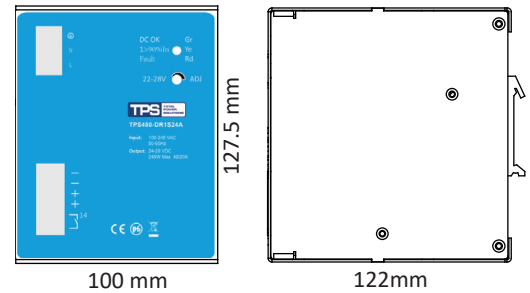
TPS100W-150W Series



TPS240W-320W Series

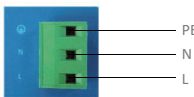


TPS480W Series

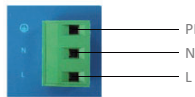


Input Terminal 100 - 240 VAC, 50/60 Hz

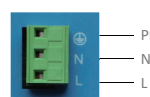
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Output Terminal

