

# TPS100-480W Peak Power DR+ Series



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

Input: 85 - 264 VAC, 47 - 63 Hz, 120 - 370 VDC  
 Output: See Table  
 Output Power: 100 - 480 W

## Electrical Specifications

### Input

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

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(100W-320W): Power Boost 170 % for 10 Sek., Auto Recover  
 Output Power(480W): Power Boost 130 % for 30 Sek., Auto Recover  
 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, UL60950-1, EN60950-1

### 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 - 4.5 mm<sup>2</sup>), 300 VAC

### Accessories and Packing

1 x Power Supply  
 1 x Manual

## Special Features

- Power Boost datasheet detailed (See Table)
- 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

## Ordering Information

Article No.	Article Name	Voltage (V)	Current (A)	Power (W)	Efficiency	Power Boost
901004403-42407	TPS100-DR1S12A	12 - 15	8	96	91 %	170 %/10 Sec.
901004404-42408	TPS100-DR1S24A	24 - 28	4.2	100	92 %	170 %/10 Sec.
901004401-42409	TPS150-DR1S12A	12 - 15	12.5	150	92 %	170 %/10 Sec.
901004402-42410	TPS150-DR1S24A	24 - 28	6.3	150	93 %	170 %/10 Sec.
901004501-42411	TPS240-DR1S12A	12 - 15	20	240	93 %	170 %/10 Sec.
901004503-42412	TPS240-DR1S24A	24 - 28	10	240	93 %	170 %/10 Sec.
901004505-42414	TPS320-DR1S24A	24 - 28	12.5	320	93 %	360 W/10 Sec.
901004513-42504	TPS480-DR1S12A	12 - 15	40	480	91 %	130 %/30 Sec.
901004515-42505	TPS480-DR1S24A	24 - 28	20	480	91 %	130 %/30 Sec.

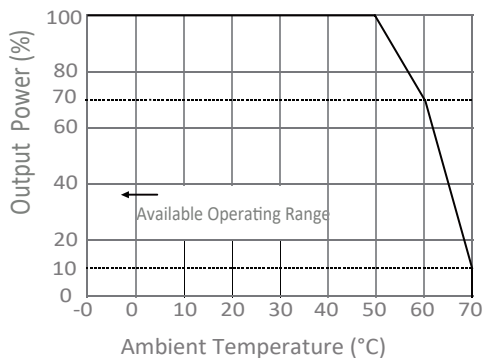
Efficiency at 220 VAC by max. Load



# TPS100-480W Peak DR+ Series

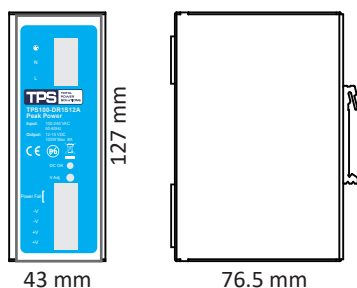
## Deratings

100W-480W DR+ WITH COVER TYPE

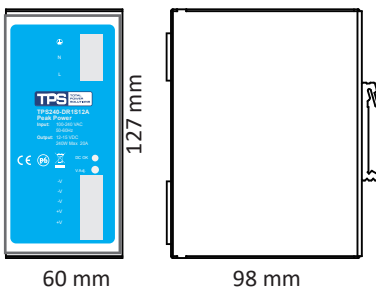


## Mechanical Drawing, Terminal Block and LED Indicator

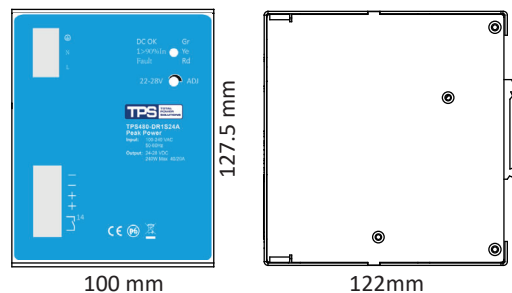
TPS100W-150W Series



TPS240W-320W Series

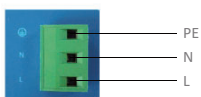


TPS480W Series

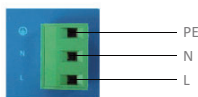


Input Terminal 100 - 240 VAC, 50/60 Hz

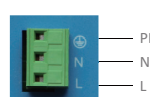
TPS100W-150W Series



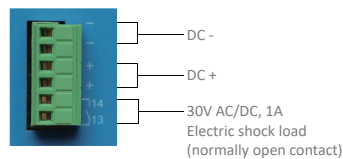
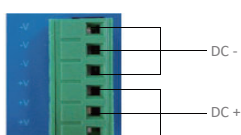
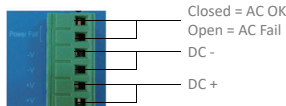
TPS240W-320W Series



TPS480W Series



Output Terminal





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## Safety instructions and warnings

Read the installation notes and safety instructions first. For additional information please refer to the corresponding datasheet at [www.tps-electronic.cn](http://www.tps-electronic.cn) or [www.tps-elektronik.de](http://www.tps-elektronik.de).

### Warning!



This device may only be installed by qualified personnel and in accordance to the relevant national regulations. The power supply unit is designed and manufactured for installation in a control cabinet. Improper handling of this power supply can result in death, severe personal injury or significant property damage.

### Caution!



Look for visible damage at the housing or the connection terminals or loose parts in the unit.  
-No external object may fall into the unit during the assembly, installation and operation.  
-Before working on the device disconnect system from supply network and protect against re-powering.  
-In case of damage, do not operate the device and return it to your dealer for exchange.

### Warning!



Danger of electric shock.

### Warning!



Housing may be hot when operated.

### Note:



Dispose of the product at the end of its service life according to the applicable statutory regulations.