



TPS240-480W Analog RS485 Series



240 W, 480 W

Input: 85 - 264 VAC, 47 - 63 Hz, 120 - 370 VDC
 Output Voltage: See Table
 Output Power: 240 - 480 W
 Power Boost: 150 % for 10 Sek.
 Parallel Operation: Yes

Electrical Specifications

Input

Input Range: 85 - 264 VAC, 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: 12 - 15 VDC or 24 - 28 VDC Adj.
 Hold-up Time: 20 ms @ fully Load, 230 VAC
 Ripple/Noise: < 1 % of Output Voltage
 Output Power: Power Boost 150 % for 10 Sek., Constant Current Limited
 Protections: OVT, OTP

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

Accessories and Packing

1 x Power Supply
 1 x Manual

Ordering Information

Article No.	Article Name	Voltage (V)	Current (A)	Power (W)	Efficiency
901004507	TPS240-PDR12	12 - 15	20	240	90 %
901004508	TPS240-PDR24	24 - 28	10	240	92 %
901004509	TPS240-PDR48	48 - 54	5	240	92 %
901004510	TPS480-PDR12	12 - 15	40	480	92 %
901004511	TPS480-PDR24	24 - 28	20	480	92 %
901004512	TPS480-PDR48	48 - 54	10	480	92 %

Efficiency at 220 VAC by max. Load

Special Features

- RS485 Integrated
- Analog/Digital Signals
- Display for V, A (Output) and T in Unit
- Remote On/Off
- Alarm for Overtemperature in Unit
- Convection Cooling
- Efficiency to 92 %
- OTP, OVP, Overload Protection
- Safety According to UL60950
- 5 Years Warranty

Key Applications

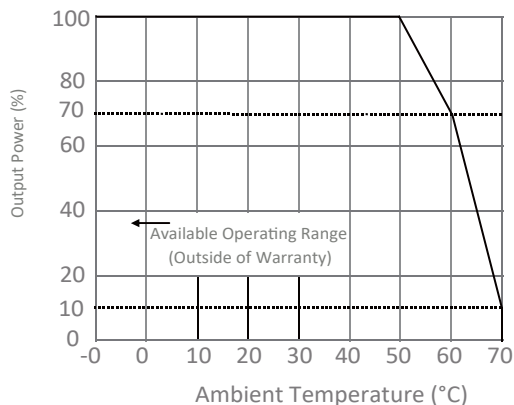
- Automation
- Alarms and Security
- LED Lighting
- Environment Control System



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Deratings

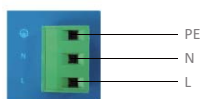
TPS 240-480W DR+ WITH COVER TYPE



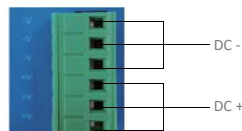
Mechanical Drawing, Terminal Block and LED Indicator



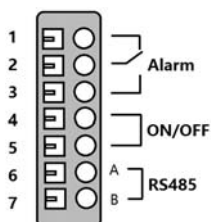
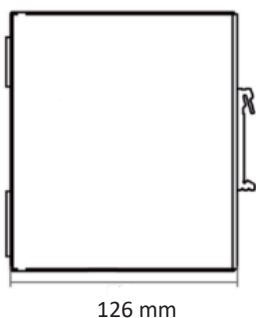
Input Terminal 100 - 240 VAC, 50/60 Hz



Output Terminal VDC



Analog / Digital Signals



Alarm Signal 1 - 2 - 3

Power DC OK: 1-2 Closed / 2-3 Open
Power DC low: 1-2Open / 2-3 Closed

On/Off 4 - 5

4 - 5 Closed: Power DC ON Sustainable(RS 485lose control)
4-5Open: Output On/Off can be controlled by RS 485

RS485 6-7

Signal Send: Output Voltage, Output Current, Temperature in Device
Signal Receive: Output On/Off