

Din Rail Power Supply

TPS010-100W GP Series





Special Features

- Compliance with No Load Power and Efficiency V (CEC 2004)
- Certificated EN61347-2-13
- Profile following to IEC439-1 for Low-Voltage Switchgear and Controlgear
- Convection Cooled
- IP 20 Double Insulation
- 5-Year Warranty

Key Applications

- Building automation control
- Alarm and Safety
- LED lighting
- Environmental control system
- Industrial automation equipment
- Medical equipment

10W,30W,60W,100W	
Input	90-264VAC, 47-63 Hz or 120-370VDC
Output	See Table
Output Power	10-100W
No Load Consumpon	< 0.3W

Electrical Specifications	
Input	Operating Conditions
Input Range	90-264VAC or 120-370VDC automatically
Frequency	47-63 Hz
Power Factor	Meets EN61000-3-2,EN61000-3-3
Output	
Output Voltage Adjust	See Table
Hold-up Time	20ms Full Load,230VAC
Ripple/Noise	< 1 % of Output Voltage
Output Power	Max. 110-145 % above Peak Rating
Protections (Auto Recover)	Overload Protected by > 110 % Output Current, OVP, OTP

Mechanical Specifications		
Item	Description	
Case Material	PC-110(+) UL94V-0	
Dimensions	10W	91×23×60mm
	30W	91×53×60mm
	60W	91×71×60mm
	100W	91×90×60mm
Weight	10W	Approx.114g
	30W	Approx.200g
	60W	Approx.255g
	100W	Approx.350g

Safety

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

EMC Directive compliance with 2014/30/EU

LED Safety certificaon EN61347-2-13

Safety compliance with IEC/ES,CSA/EN60601-1,62368-1.EA55011-A,EN55032-A

Environmental

Item	Operating Conditions
Operating Temperature	0°C - 50°C Ambient (Derating from 50°C - 70°C)
Electromagnect 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

Mounting

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

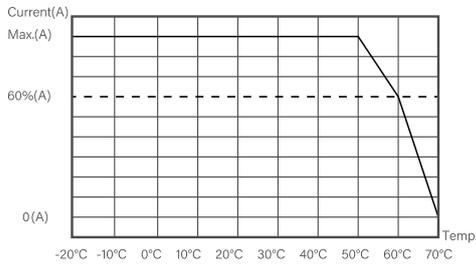
Article No.	Product Name	Voltage(V)	Current(A)	Power(W)	Efficiency
901003419	TPS010-GP12V	12-15	0.85	10	80%
901003420	TPS010-GP24V	24-28	0.42	10	80%
901003519	TPS030-GP12V	12-15	2.5	30	84%
901003520	TPS030-GP24V	24-28	1.25	30	85%
901003619	TPS060-GP12V	12-15	4.5	54	87%
901003620	TPS060-GP24V	24-28	2.5	60	87%
901003720	TPS100-GP12V	12-15	6	72	87%
901003721	TPS100-GP24V	24-28	4.2	100	89%

1.Output in 48 VDC Optional

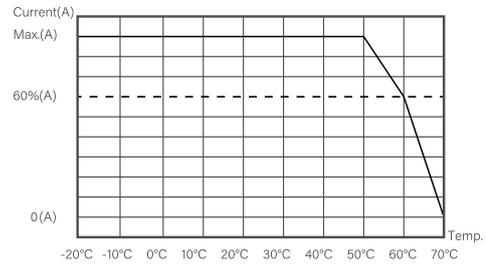
2.Efficiency at 220 VAC by max. Load

Product Characteristic Curve

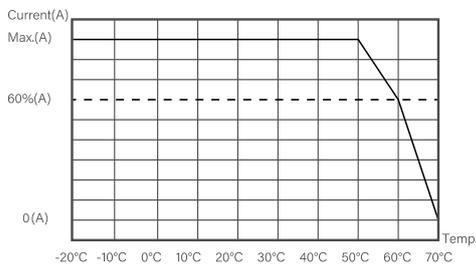
• Deratings



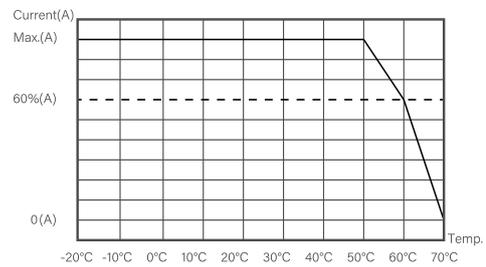
Ambient Temperature
TPS010 GP-Series



Ambient Temperature
TPS030 GP-Series

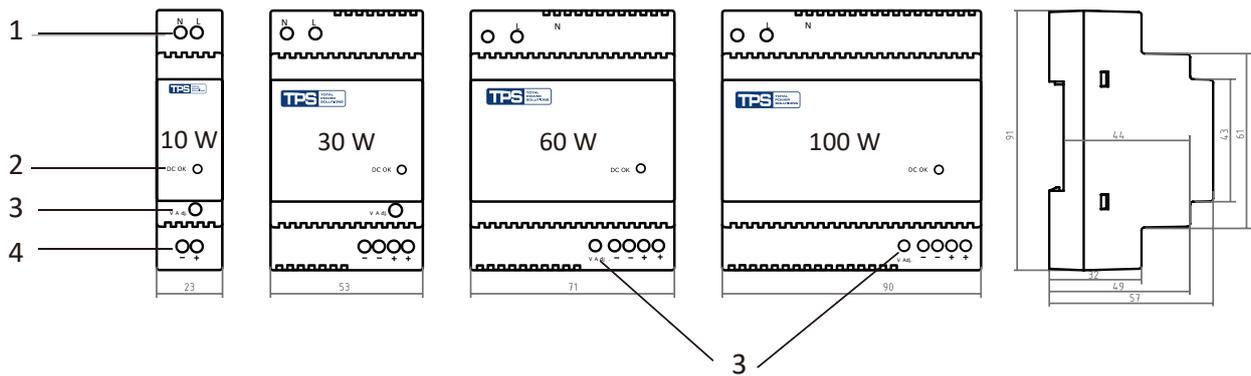


Ambient Temperature
TPS060 GP-Series



Ambient Temperature
TPS100 GP-Series

Mechanical Drawing (mm), Terminal Block and LED Indicator



- 1. N,L Input Terminal for 90-264VAC
- 2. LED Indicator for DC-OK
- 3. DC-Output Adjust
- 4. DC-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