

Industrial Power Supplies

**POWER
SOLVE**

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TSP Series, 78 – 600 Watt

Features

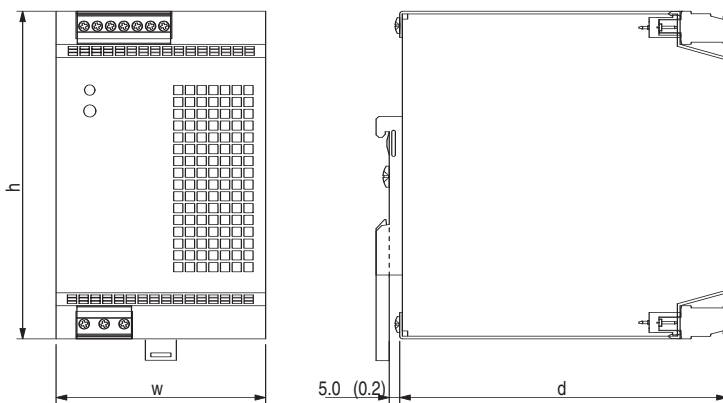
- DIN-Rail or Wall Mounting
- Rugged, ultra compact metal case for harsh Industrial Environments
- Operating Temperature Range -25°C to 70°C
- Industrial Safety Approval Package
- ATEX Certification for hazardous locations (optional)
- Power Good Signal
- Remote On/Off
- Overload and Over-Temperature Protection
- Vibration and Shock Proof
- Pluggable Screw Terminal Block
- Add on Function Modules - see separate data sheet



Electrical Specification	
Input voltage range	85–132/187-264 VAC, AUTOSELECT
Line regulation	±0.5% max.
Load regulation	±0.5% max.
Ripple & Noise	<150 mVpk-pk
EMI suppression	EN 61204-3, EN 61000-6-3
EMC immunity	EN 61204-3, EN 61000-6-2 (industrial environment)
Output current limitation	at max. output current (constant current, automatic restart)
Over-temperature protection	switch off at over-temperature, automatic restart
Output characteristic	selectable for parallel operation or battery charging application
Over voltage protection	20V for 12VDC models, 35V for 24VDC models
Efficiency	87% typ.
Operating temperature	-25°C ... +70°C above 40°C derating 2%/°C
Safety standards /approvals	UL 60950-1 recognised, UL 508, IEC/EN 60950-1, (CB-Report), EN 50178, EN 60204, EN 61558-2-4, SEMI F47, FM 3611, IEC/EN 60079-15 (Class I, Div. 2), ATEX 94/9/EC (opt. EX)
Degree of protection	degree of electrical protection 1 (IEC 536)
Case protection	IP20 (IEC 529)
Vibration/Shock	IEC 60068-2-6 / IEC 60068-2-27
Connection	pluggable screw terminals
Case	aluminium (chassis) / zinc plated steel (cover)
Mounting	– snap-on mounting on 35 mm DIN-Rail – wall mounting brackets (option)

Models			
1) ORDER CODE	OUTPUT POWER	2) OUTPUT VOLTAGE	3) OUTPUT CURRENT
	MAX.	NOM.	MAX.
TSP 070-112	78 Watt	12 VDC	6.5A
TSP 090-124	90 Watt	24 VDC	3.75A
TSP 090-124N ⁴⁾	90 Watt	24 VDC	3.75A
TSP 090-148N	96 Watt	48 VDC	2.0A
TSP 140-112	156 Watt	12 VDC	13.0A
TSP 180-124	180 Watt	24 VDC	7.5A
TSP 180-148	192 Watt	48 VDC	4.0A
TSP 360-124	360 Watt	24 VDC	15.0A
TSP 360-148	360 Watt	48 VDC	7.5A
TSP 600-124	600 Watt	24 VDC	25.0A
TSP 600-148	600 Watt	48 VDC	12.5A

1) Suffix EX: For ATEX certified models (Example TSP 180-112 EX)
 2) Output voltage adjustable 12-14 VDC, 24-28 VDC, 48-56VDC
 3) Max. current at nominal output voltage and max. 40°C ambient temperature
 4) Model meets EN 60950 sect. 2.5 and NEC Class2 (limited power source)



() = Inches

Dimensions			
Type	Width	Height	Depth
	w	h	d
TSP 070/090	35 (1.38)	110 (4.33)	110 (4.33)
TSP 140/180	54 (2.13)	110 (4.33)	110 (4.33)
TSP 360	80 (3.15)	125 (4.92)	125 (4.92)
TSP 600	165 (6.50)	125 (4.92)	125 (4.92)