

Industrial Power Supplies



TSP-3P Series, 240-960 Watt

www.powersolve.co.uk

Features

- ATEX certification for hazardous locations (Opt)
- Operating temperature range -25°C to +70°C
- 200% peak current for up to 5 seconds
- Add-on function modules
- Power good signal & remote ON/OFF
- Overload & over temperature protection
- For 3-phase networks with voltage ranges 330-440Vac & 410-550Vac
- Rugged, ultra-compact metal casing for harsh industrial environments



Electrical Specification

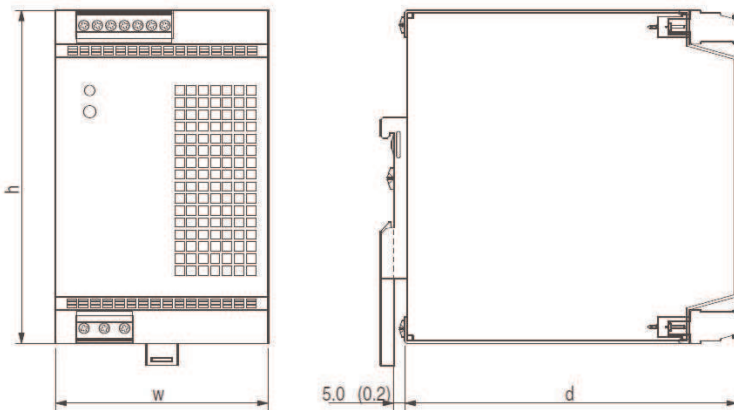
Input voltage range	3 x 330 - 440Vac & 3 x 410 - 550Vac
EMI emissions	EN 61000-6-3
EMC immunity	EN61000-6-2 (industrial environment)
Output current limitation	at 220% of nominal current (constant current, automatic restart)
Over temperature protection	switch off at over temperature, automatic restart
Overvoltage protection	at 35VDC
Operating Temperature Range	-25°C to +70°C (derate at 2.5%/°C above 60°C)
Safety Approvals	cUL/UL 60950-1 recognised, IEC/EN 60950-1, UL 508, CB report, EN 50178, EN60204, EN61558-2-4, FM 3611, IEC/EN 60079-15, ANSI/ISA 12.12.01 (class I, Div. 2), ATEX 94/9/EC (with option EX)
Degree of protection	safety class I (IEC 536)
Case protection	IP20 (IEC 529)
Vibration & shock	IEC 60068-2-6 / IEC 60068-2-27
Connection	detachable screw terminals
Casing	aluminium (chassis) / stainless steel (cover)
Mounting	snap-on mounting on 35mm DIN-rail (optional wall mounting brackets)

Output Voltage and Current Ratings

MODEL	INPUT VOLTS	OUTPUT POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TSP240-124-3PAC400	3 x AC 400V	240W max.	24VDC	10A	100mV pk-pk max.	1.0%	3.0%	88%
TSP240-124-3PAC500	3 x AC 500V	240W max.	24VDC	10A	100mV pk-pk max.	1.0%	3.0%	88%
TSP480-124-3PAC400	3 x AC 400V	480W max.	24VDC	20A	100mV pk-pk max.	1.0%	3.0%	88%
TSP480-124-3PAC500	3 x AC 500V	480W max.	24VDC	20A	100mV pk-pk max.	1.0%	3.0%	88%
TSP960-124-3PAC400	3 x AC 400V	960W max.	24VDC	40A	100mV pk-pk max.	1.0%	3.0%	88%
TSP960-124-3PAC500	3 x AC 500V	960W max.	24VDC	40A	100mV pk-pk max.	1.0%	3.0%	88%

200% peak output current for up to 5 seconds

Mechanical Details



Type	Width (w)	Height (h)	Depth (d)
TSP240	54 (2.13)	110 (4.33)	110 (4.33)
TSP480	80 (3.15)	125 (4.92)	125 (4.92)
TSP960	165 (6.50)	125 (4.92)	125 (4.92)

Dimensions in mm (inches)

Wall mount brackets

TSP-WMK01	for 240W models
TSP-WMK02	for 480-960W models