



Switch Mode Power Supply (SMPS)

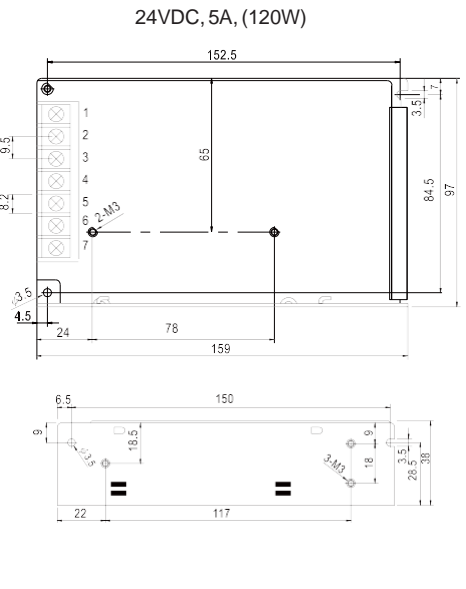
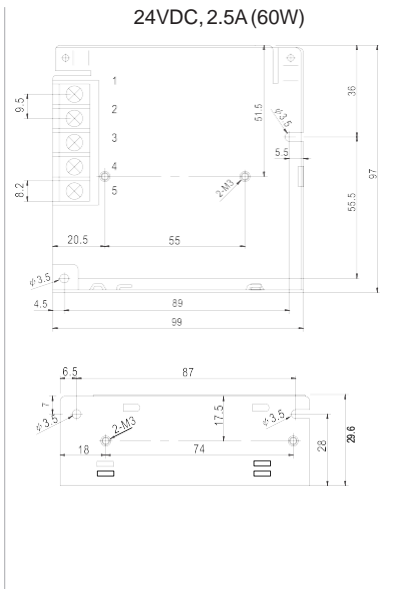
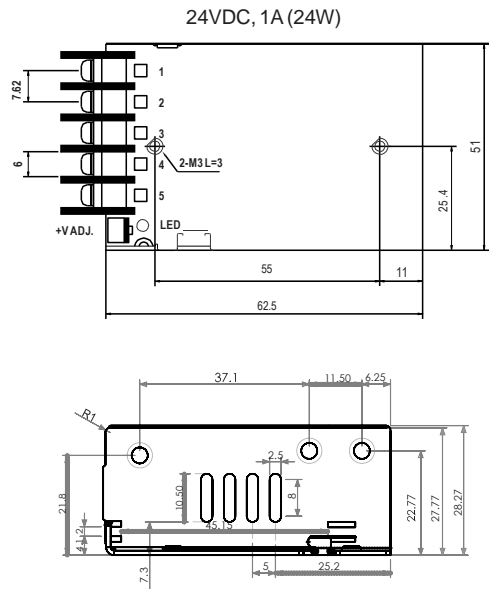
Product Features:

- Wide operating voltage range: Single phase, 88 to 264 VAC, 125 to 373 VDC, 47 to 63 Hz
- Protections: Short circuit, Overload and Over voltage
- Cooling by free air convection
- Product hardware built up with highly rated electrolytic capacitor (105 °C)
- Ambient operating temperature : - 25 to 70 °C
- Adjustable output voltage : 22.8 to 27.2 VDC
- Greater resistance to rusting with MS case
- Mounting options: With cover- Direct mounting or DIN Rail mounting with c lamp
- Certifications : CE and RoHS
- Complied as per IEC standards :
EMI: CISPR32/EN55032 CLASS B, EMS: IEC/EN61000

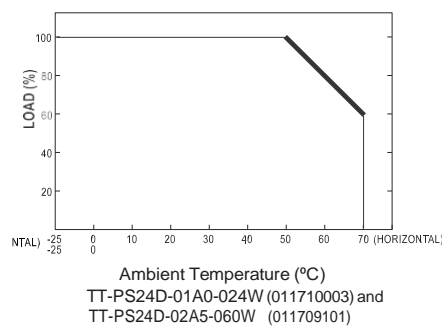
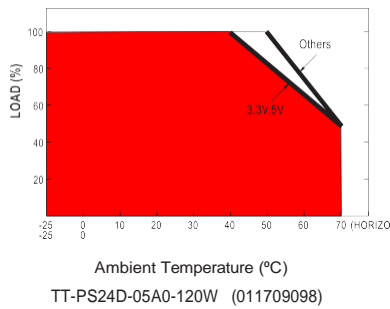


Parameters/Type of SMPS	24VDC, 1A (24W)	24VDC, 2.5A (60W)	24VDC, 5A, (120W)
Input			
Input Supply	Single phase, 88 to 264 VAC, 125 to 373 VDC, 47 to 63 Hz		
AC Current consumption	0.7A @ 115VAC, 0.4A@230VAC	1.3A @ 115VAC, 0.8A@230VAC	2.5A @ 115VAC, 1.5A@230VAC
Inrush Current	Cold start 45A/230VAC	Cold start 33A/230VAC	Cold start 40A/230VAC
Leakage Current	<2mA/240VAC		
Rated Power	24W	60W	120W
Voltage Tolerance	± 1%		
Hold-up Time	80ms/230VAC, 14ms/ 115VAC at full Load	60ms/230VAC, 14ms/ 115VAC at full Load	95ms/230VAC, 17ms/ 115VAC at full Load
Efficiency (Typ.)	>86%	>87%	>84%
Output			
O/P Voltage Adj. range	22 to 27.2 VDC	22 to 27.2 VDC	22.8 to 26.4 VDC
Output Current Range	0 to 1A	0 to 2.5A	0 to 5A
Number of Outputs	Single Output	Single Output	Dual output
Ripple and Noise (max.)	150m Vp-p	120m Vp-p	120m Vp-p
Protection			
Overload	Yes, automatic reset ; 110 to 150% rated output power		
Overvoltage	Yes, automatic reset, 27.6 to 32.4V		
Short circuit protection	Yes, Fuse provided at incoming		
Protection Type	Hiccup mode, recovers automatically after fault condition is removed.		
Environment			
Working Temperature`	-25 to + 70 °C		
Working Humidity	20 to 90% @ max. RH non-condensing		
Storage temp., humidity	-40 °C+85 °C , 10-95@ RH		
Temp. coefficient	±0.03%/°C (0-50 °C)		
Ordering Information			
Article No.	11710003	11709101	11709098
Product Description (without mounting clamp)	TT-PS24D-01A0-024W	TT-PS24D-02A5-060W	TT-PS24D-05A0-120W
Article No.	011715088	011715089	011715090
Product Description (with mounting clamp)	TT-PS24D-01A0-24W-WA	TT-PS24D-02A5-060W-WA	TT-PS24D-05A0-120W-WA

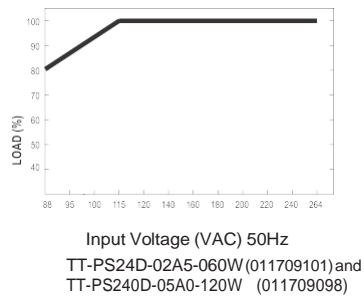
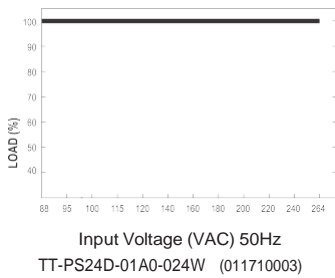
Mechanical Drawing



DERATING CURVE



OUTPUT DERATING VS INPUT VOLTAGE



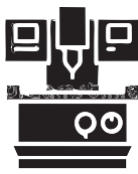
Application Area



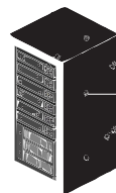
Power Stations



PLC Automation Panels



Machine Tool Industries



Servers



Railway System



Access Control System

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