

Features:

1. Wide input range (85-264VAC, 100-370VDC)
2. Size 35*90*54.5mm
3. No-load power consumption<0.4W
4. Protection type: short circuit/over load/over voltage
5. Operating temperature range -30°C to +70°C
6. 3000V isolation voltage
7. DIN rail TS-35/7.5 or 15 mountable
8. 100% high temperature aging and testing
9. 3 years warranty



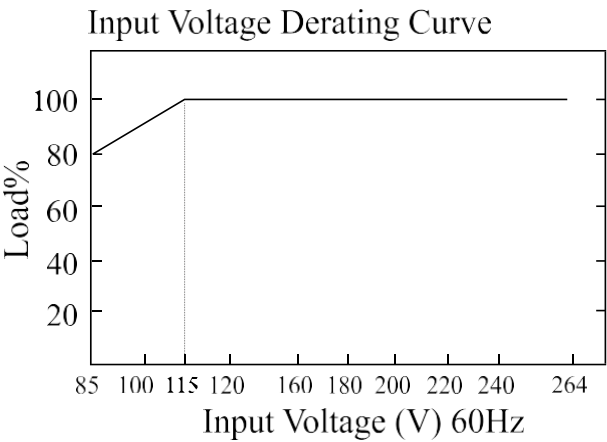
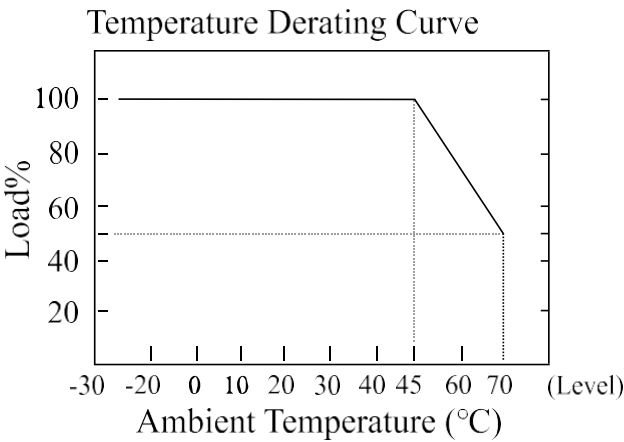
3 years
Warranty

Model	Input Voltage	Rated Power (W)	Output Voltage (V)	Voltage Adjustable Range (V)	Output Current (A)	Ripple & Noise (mVp-p)	Efficiency (%)
DP-30-05	85-264VAC 100-370VDC	15	5	5-5.2	3	100	75
DP-30-12		30	12	11.3-12.4	2.5	120	83
DP-30-15		30	15	13.7-16.3	2	120	85
DP-30-24		30	24	23.1-25.9	1.25	120	86
DP-30-48		30	48	44.0-49.7	0.625	120	88

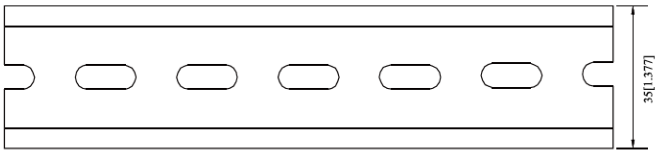
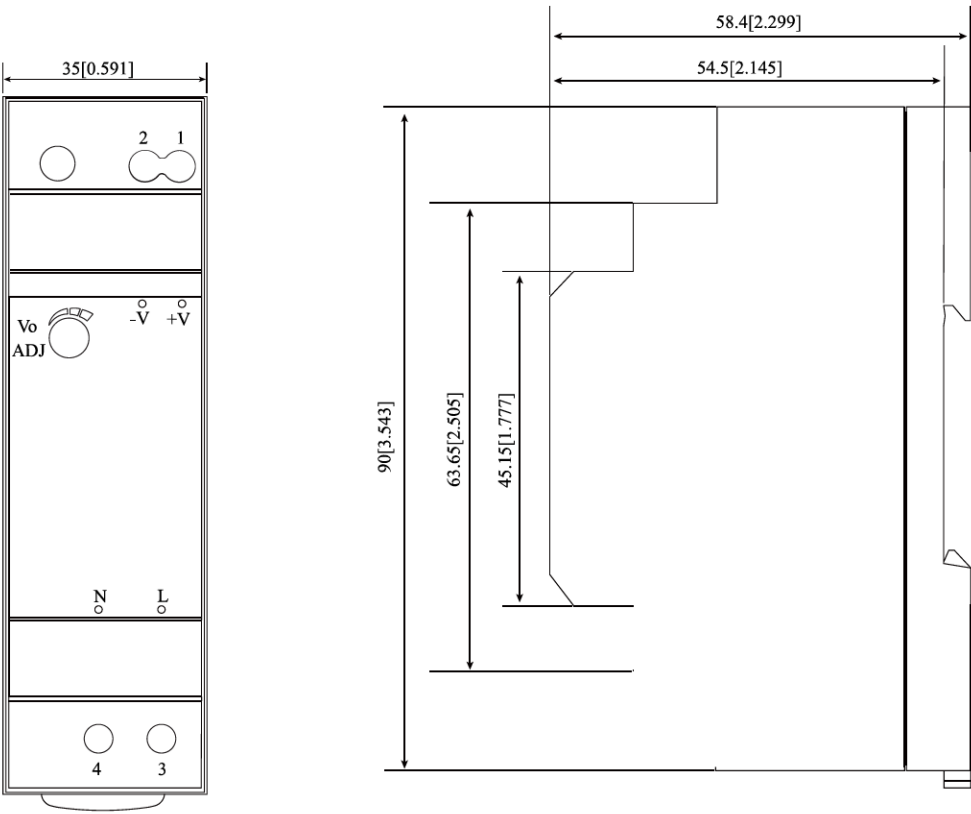
Specifications

OUTPUT	Voltage Tolerance	±2.0%					
	Line Regulation	±1.0%					
	Load Regulation	±1.0%					
	Setup, Rise Time (Typ.)	1300ms, 30ms/230VAC 2500ms, 50ms/115VAC at full load					
	Hold Up Time (Typ.)	50ms/230VAC 10ms/115VAC at full load					
INPUT	Voltage Range	85-264VAC 100-370VDC					
	Frequency	47-63Hz					
	Current (Typ.)	0.5A/115VAC 0.35A/230VAC					
	Inrush Current (Typ.)	Cold boot 30A/115VAC 60A/230VAC					
	Leakage Current (Typ.)	<1mA/230VAC/50Hz					
PROTECTION	Over Load	≥110% load, self-recovery after troubleshooting					
	Short Circuit	Hiccup mode, self-recovery after troubleshooting					
	Over Voltage	Output off					
		Voltage	5VDC	12VDC	15VDC	24VDC	48VDC
		Range	≤7.5V	≤16V	≤22.5V	≤36V	≤67.2V
ENVIRONMENT	Working Temp.	-30°C to +70°C (Refer to "Derating curve")					
	Working Humidity	85%RH max					
	Storage Temp., Humidity	-40°C to +85°C, 10-95%RH					
	Temp. Coefficient	0.03%/ (0-50°C)					
	Vibration	10-500Hz, 2G, 10min./1cycle, 60min.each along X, Y, Z axes					
SAFETY & EMC (NOTE 3.)	Safety Standards	UL1012					
	Isolation Voltage	I/P-O/P: 3000VAC					
	Isolation Resistance	I/P-O/P: >100M Ohms/500VDC 25°C 70% RH					
	EMC Emission & Immunity	EN55011, EN55032 (CISPR32)					
	ESD	IEC/EN 61000-4-2 level 2 Contact ±4kV/level 3 Air ±8kV					
	RF	IEC/EN 61000-4-3 level 4					
	EFT	IEC/EN 61000-4-4 level 3 2kV					
	Surge	IEC/EN 61000-4-5 level 3 1kV					
OTHERS	MTBF	200K hrs min. MIL-HDBK-217F (25°C)					
	Dimension	35*90*54.5mm (W*H*D)					
	Weight	101g					
	Package	87pcs/carton					
NOTE	1. All parameters not specially mentioned, are measured when TA=25°C, humidity<75%, input nominal voltage and output rated load.						
	2. Measurement method of ripple & noise: Parallel line test method shall be adopted. Meanwhile, 0.1uF high-frequency ceramic capacitor and one 47uF electrolytic capacitor shall be connected in parallel at the terminal for measurement under 20Mhz bandwidth.						
	3. The power supply is regarded as a component in the system, and electromagnetic compatibility shall be confirmed in combination with the terminal equipment.						

Derating Curve



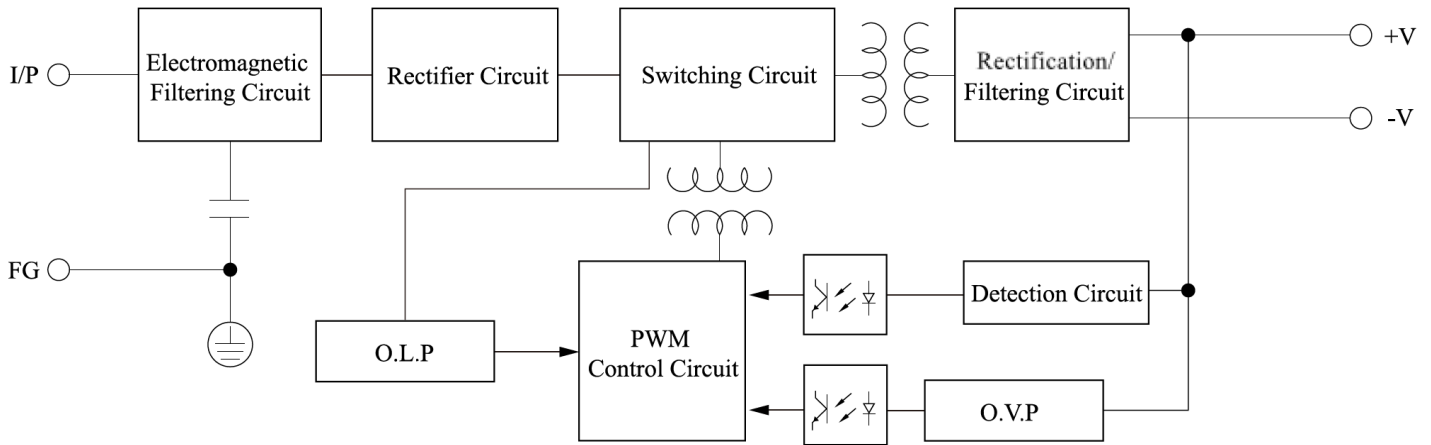
Dimensions & Function



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

Pin	Function
1	+V
2	-V
3	AC(L)
4	AC(N)

NOTE: Unit size: mm[inch] Unmarked tolerances: ±0.5mm

Product Schematic**Notes:**

1. If the product works under the minimum required load, it cannot guarantee that the performance of the product complies with all the performance indicators in this manual;
2. The maximum capacitive load is tested under the input voltage range and full load condition;
3. Unless otherwise stated, all indexes in this manual are measured at $T_a=25^{\circ}\text{C}$, humidity $<75\%\text{RH}$, nominal input voltage and rated output load;
4. All index testing methods in this manual are based on the enterprise standards of the company;
5. Our company can provide product customization, specific needs can directly contact our technical staff;
6. AMCHARD reserves the right to make changes to the product at any time without notice.

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