

Single-phase DIN Rail Industrial Power Supply-DM Series

Provides 5 different power specifications and 3 output voltages

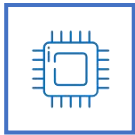
- ① Output power:75W, 120W, 240W, 480W, 960W
- ② Inputvoltage:88V~264VAC/120V-370VDC
- ③ Output voltage:12V, 24V, 48V
- ④ Frequency:47~63Hz

100% full load aging test



Small size, saving space in electrical cabinets

Standard rail installation:TS-35/7.5 or TS-35/15



Built-in PFC (DM-240/480/960)

Protection type: short circuit/overload/overvoltage/overtemperature



Natural air cooling

Metal mesh with excellent, super heat dissipation capability



Extreme working temperature

Wide workingtemperature: -40°C~+80°C



4000VAC high isolation voltage withstand

Can provide better security forequipment



Main market areas and applications



FA



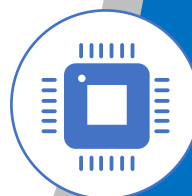
Security



Communication



New energy



Semiconductor



Building



Robot

AMCHARD

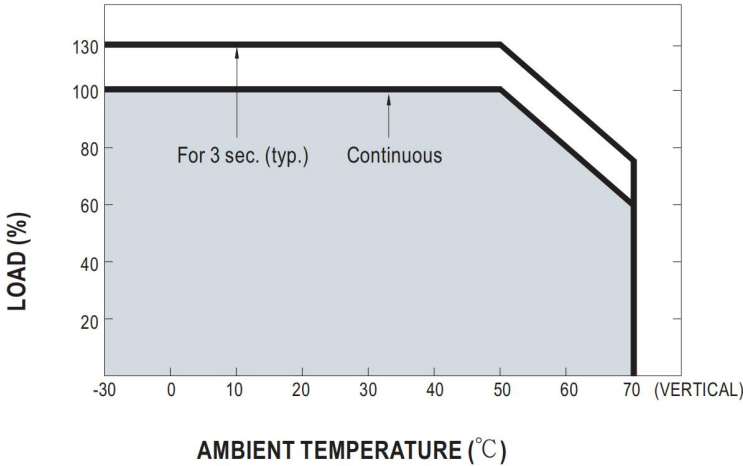
Single-phase DIN Rail Industrial Power Supply--DM Series

General Specification

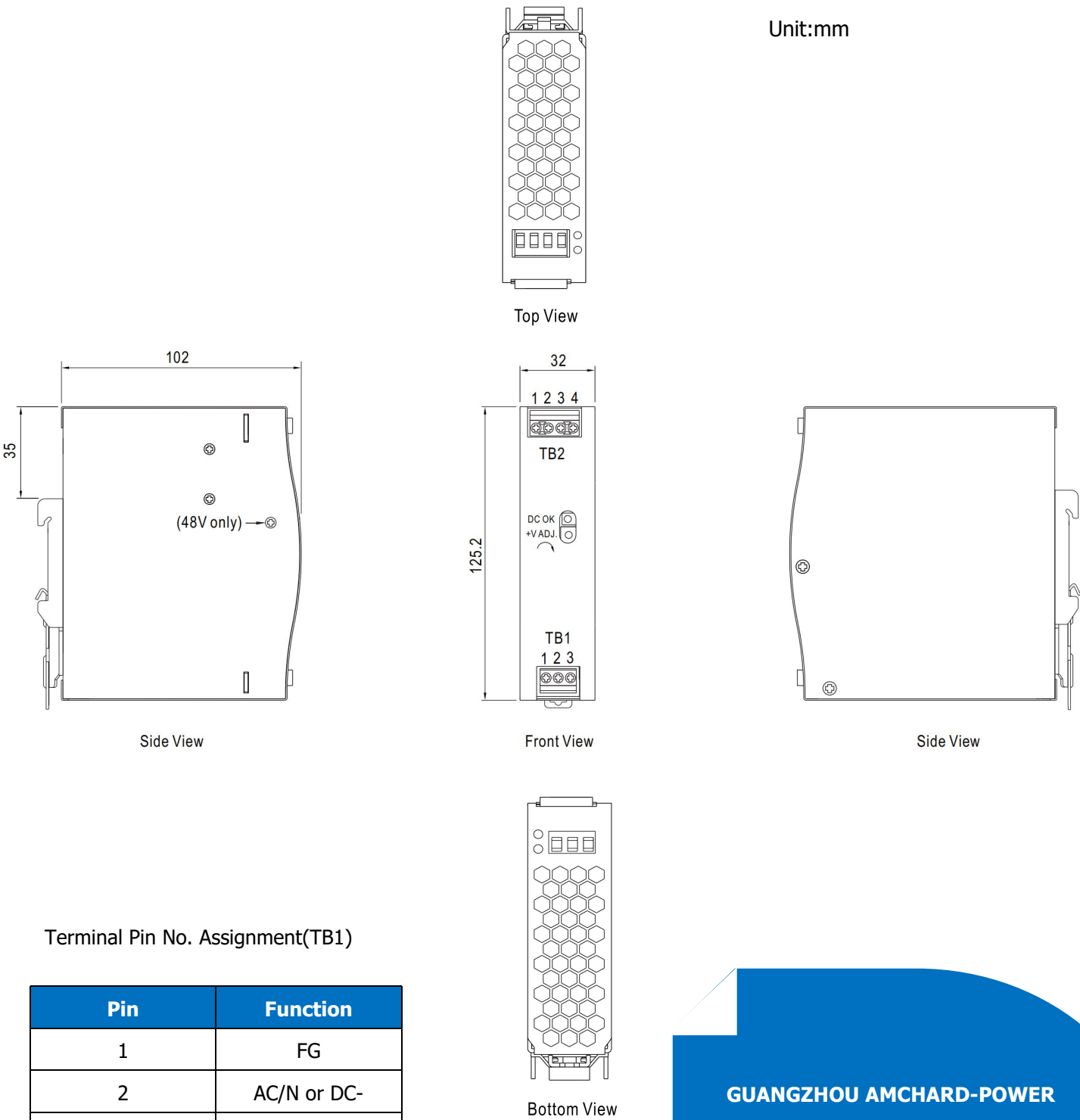
Rated power		75W	120W	240W	480W	960W
Input	Input voltage	AC 88V~264V		DC 120V~370V		AC 180V~264V DC 254V~370V
	Input frequency	47-63Hz				
Output	Output voltage	12V、24V、48V		24V、48V		
	Voltage adjustment range	12V:12-14V,24V:24-28V,48V:48-55V				
	Output stability	1%				
	Load adjustment rate	1%typical				
	Ripple and noise	±1%peak(mVp-p typical)				
Protection	Overvoltage protection	110%~140%				
		Hiccup mode,auto-recovery				
	Overload protection	105%~150%				
		Constant current mode, auto-recovery				
	Short circuit protection	Output terminal short circuit				
		Hiccup mode,auto-recovery				
	Cooling method	Natural air cooling				
Environment	Operating temperature/humidity	-30℃~+70℃/20~90%RH,No condensation				
	Storage temperature/humidity	-40℃~+85℃/10~95%RH,No condensation				
	Temperature Coefficient	±0.03%/℃(0-50℃)				
Safety&EMC	safety regulations	TUV BS EN/EN62368-1,BMI CNS14336-1				
	Pressure resistant	Input to output:3KVAC Input to ground:2KVAC Output to ground:0.5KVAC				
	Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohm/500VDC/25℃/70%RH				
	EMC emission	EN55032,EN55014, EN61000-3-2, GB/T 9254, BSMI CNS13438, FCC Class B				

Derating Curve (DM-960)

>> The design has a margin and it can work for three seconds under overload.



Mechanical Specification (DM-75)



Terminal Pin No. Assignment(TB1)

Pin	Function
1	FG
2	AC/N or DC-
3	AC/L or DC+

Terminal Pin No. Assignment(TB2)

Pin	Function
1,2	DC OUTPUT -V
3,4	DC OUTPUT +V

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