

## Product Feature

1. Three-Phase 340 ~ 550VAC wide range input
2. Width only 85.5mm
3. Protections: Overload/Over voltage
4. Cooling by free air convection
5. Can be installed on DIN rail TS-35/7.5 or 15
6. Built in PFC circuit, with a PF value of up to 0.9
7. 100% full load burn-in test
8. 3 years warranty

## Safety regulations and electromagnetic compatibility

- Safety specification UISOB, IEC60950-1,,CE 62368-1,BIS IS13252(Part1)(only for 24V),AS/NZS 62368.1, EAC TP TC 004
- Withstand voltage

Input-output :3KVAC, input-ground:2KVAC, output-ground:0.5KVAC, O/P-DC OK(optional):0.5KVAC

- Insulation impedance

Input-output and input -output -ground:100M Ohms/500VDC/25°C,70%RH

- Electromagnetic compatibility

Meet BSEN/EN55032(CISPR32),BSEN/EN61204-3ClassB,BSEN/EN61000-3-2,-3, EACTPTC020

Note: The power supply should be considered as part of the components in the system, and the electromagnetic compatibility should be confirmed with the terminal equipment



3 years  
Warranty

1500g/Typ.

## Environment

- Operating temperature/humidity  
-30°C~+70°C/20~95%RH, non-condensing (please refer to "Derating curve")
- Storage temperature/humidity  
-40°C~+85°C/10~95%RH, non-condensing
- MTBF  
1174.0K hrs Telcordia SR-332(Bellcore); 108.3K hrs MIL-HDBK-217F (25°C)

## Electrical Specifications

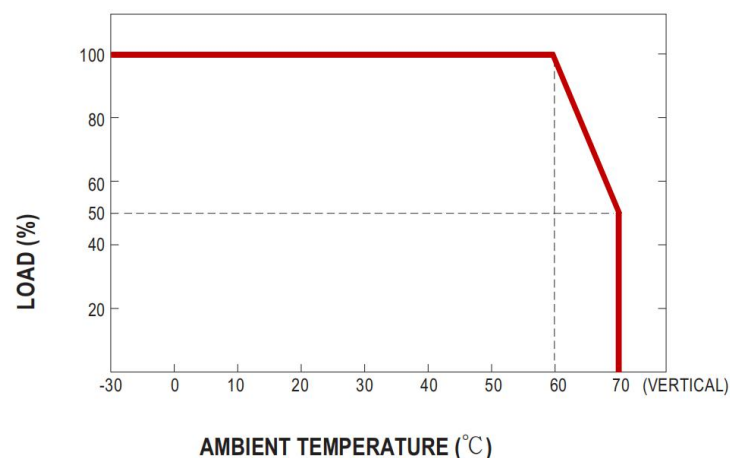
Model number	DMT-480-24	DMT-480-48
DC output	24V	48V
Rated current	20A	10A
Current range	0~20A	0~10A
Rated power	480W	480W
Ripple and noise(Max.)	150mVp-p	150mVp-p
Voltage range	24~28V	48~55V
Voltage accuracy	±1.0%	±1.0%
Linear adjustment rate	±0.5%	±0.5%
Load adjustment rate	±2.0%	±2.0%
Start /rise time	1200ms,60ms/400VAC      800ms,60ms/500VAC(full load)	
Holding time(Typ.)	20ms/400VAC      40ms/500VAC(full load)	
Voltage range	Three-phase 340~550VAC(can two-phase operation)or 480~780VDC	
Frequency range	47~63Hz	
PF	PF≥0.9/400VAC PF≥0.88/500VAC at full load	
Efficiency(Typ.)	92.5%	93%

AC current(Typ.)	0.85A/400VAC      0.7A/500VAC	
Inrush current(Typ.)	Cold start(50A)	
Leakage current	<3.5mA/530VAC	
Overload protection	105-130%of rated output power	
	Protection mode:constant current limit,shut off output after 3 seconds,restart and restore	
Over-voltage protection	29~33V	56~65V
	Protection mode:hiccup mode,automatically recovered after fault disappears	
Dimension	85.5*128.5*125.2mm	
Weight	1.5kg	

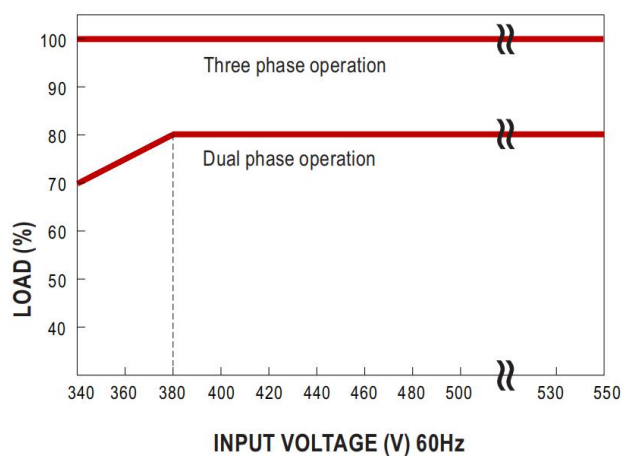
**Note:**

1. Unless otherwise specified, all parameters are measured under the input 230VAC, full load, and 25°(ambient temperature).
2. Ripple and noise measurement method:Use a 12 twisted pair cable and output terminals are paralleled with 0.1 μF and 47μF capacitors, and measured at 20MHZ bandwidth.
3. Installation gap: When the load is continuously fully loaded,the installation distance should be 40mm from the top, 20mm from the bottom, and 5mm from each side. If adjacent equipment is a heat source, a gap of 15mm is required.
4. When the altitude exceeds 2000 meters (6500 feet), the ambient temperature of fanless models decreases at a rate of every 3.5 °C/1000 meters, while the ambient temperature of fanless models decreases at a rate of every 5°C/1000 meters

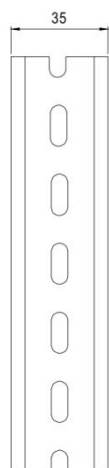
## Derating Curve



## Output Derating VS Input Voltage



## Installation Instruction

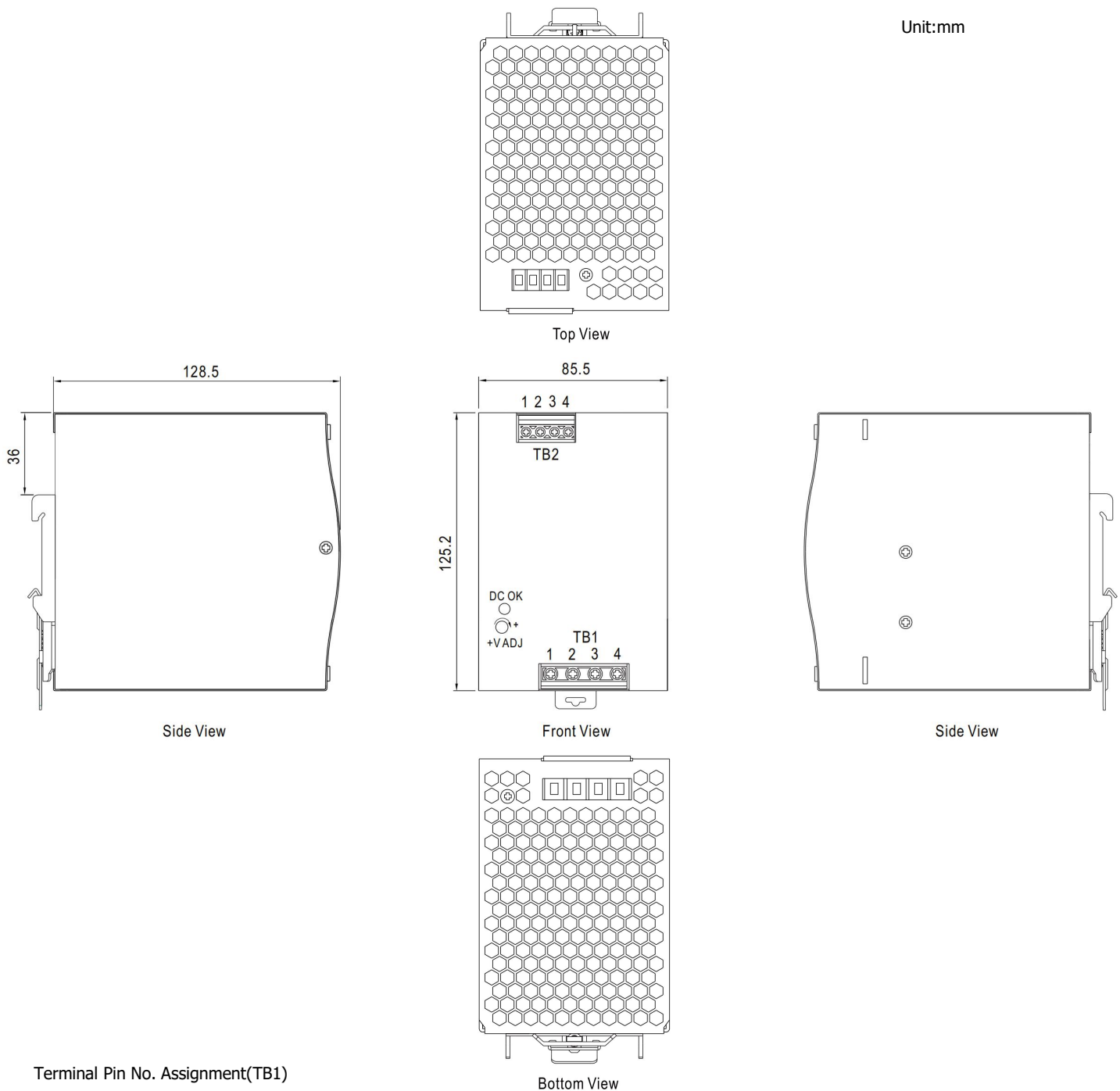


Install DIN rail TS35/7.5 or TS35/15

This series fits DIN rail TS35/7.5 or TS35/15.

## Mechanical Specification

Unit:mm



Terminal Pin No. Assignment(TB1)

Pin	Function
1	PE
2	AC/L3
3	AC/L2
4	AC/L1

Terminal Pin No. Assignment(TB2)

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

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