



Features:

- Universal AC input/ full range
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- Can be installed on DIN rail : TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- 2 Years warranty

SPECIFICATION

Dimension: 65.5 × 125.2 × 100mm



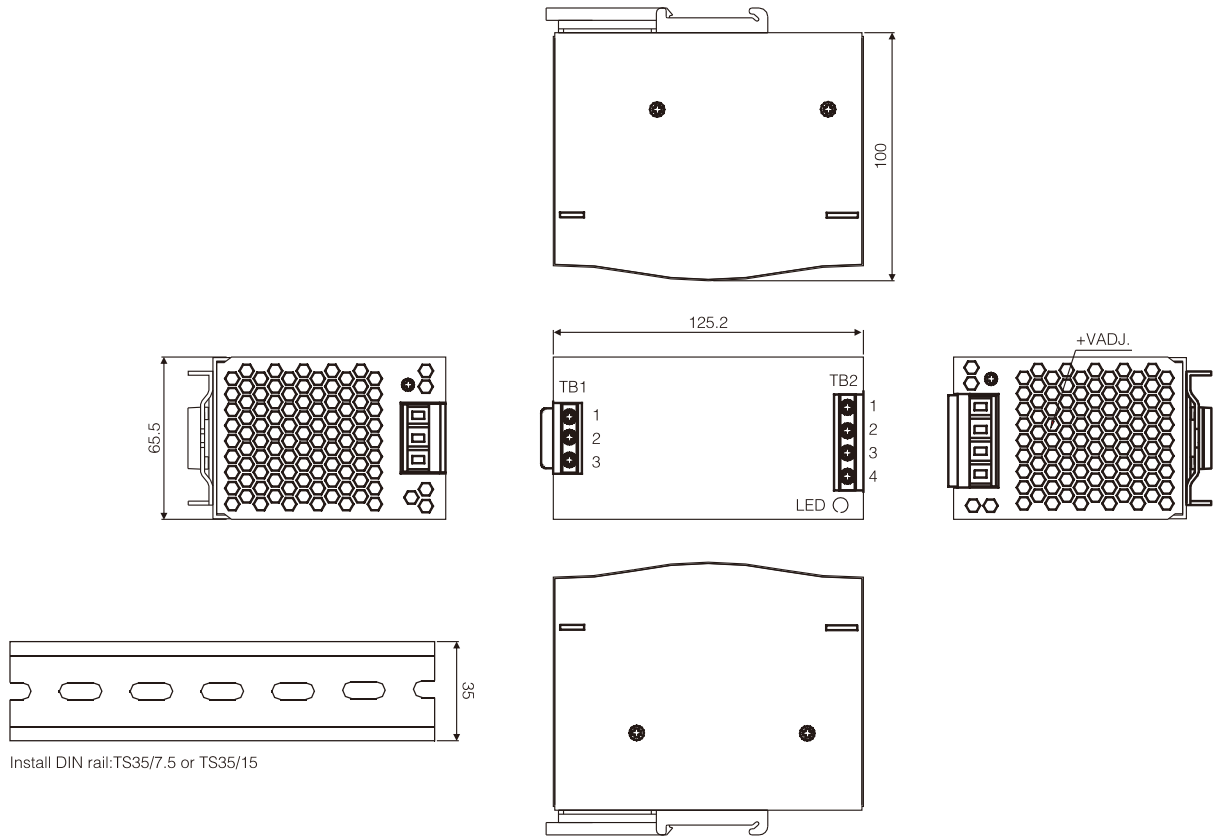
| Model | | TLDR-12-100 | TLDR-24-120 | TLDR-48-120 |
|---------------------------|------------------------|--|--------------|-------------|
| Output | DC voltage | 12V | 24V | 48V |
| | Voltage tolerance | ± 1% | ± 1% | ± 1% |
| | Rated current | 8.3A | 5A | 2.5A |
| | Current range | 0 ~ 8.3A | 0 ~ 5A | 0 ~ 2.5A |
| | Rated power | 99.6W | 120W | 120W |
| | Ripple&noise | 100mVp-p | 120mVp-p | 150mVp-p |
| | DC voltage ADJ. range | -9% ~ +10% | ± 10% | ± 10% |
| Setup, rise, hold up time | | 600ms,30ms,16ms/230VAC. | | |
| Input | Voltage range | 90 ~ 264VAC 47 ~ 63Hz, 127 ~ 373VDC | | |
| | AC current | 2.6A/110VAC 1.6A/220VAC | | |
| | Efficiency | 82% | 84% | 85% |
| | Inrush current | Cold start25A/110VAC 45A/220VAC | | |
| | leakage current | < 1mA/240VAC | | |
| Protection | Overload | Rated output power105% ~ 135%Start overload protection Protection type : rated current limit , auto-recovery after fault condition is removed | | |
| | Over voltage | 15.8 ~ 17.8V | 30.8 ~ 34.8V | 54 ~ 57.8V |
| | | protection type : cutoff output, restart power after fault condition is removed can recover normal output | | |
| Environment | Working temp, humidity | -20°C ~ +60°C;20% ~ 90%RH(Please refer to “derating curve”) | | |
| | Storage temp, humidity | -40°C ~ +85°C;10% ~ 95%RH Non-condensing | | |
| Safety | Withstand vibration | 10 ~ 500Hz, 5G 10min./1Cycle, Period for 60min, Each axes | | |
| | Withstand voltage | I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC | | |
| | Isolation resistance | I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC | | |
| Fit standard | Safety standard | Compliance to UL 62368-1,TUV 62368-1,EN 62368-1 | | |
| | EMC Standard | Compliance to EN 55032, CLASSA | | |
| Others | Weight | 65.5*125.2*100mm (L*W*H) | | |
| | Packing | 0.8kg/20pcs/17kg | | |

Note:

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.

Mechanical specification

Unit:mm



Install DIN rail:TS35/7.5 or TS35/15

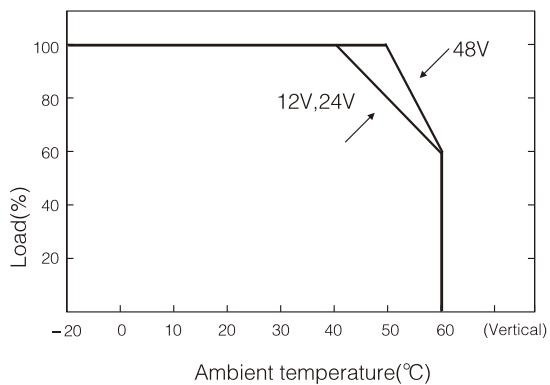
Terminal Pin No. Assignment(TB1)

| Pin NO. | Assignment |
|---------|------------|
| 1 | FG Ⓢ |
| 2 | AC/N |
| 3 | AC/L |

Terminal Pin No. Assignment(TB2)

| Pin NO. | Assignment |
|---------|--------------|
| 1,2 | DC OUTPUT +V |
| 3,4 | DC OUTPUT -V |

Derating curve



Static characteristic

