

MYT200-□ Series



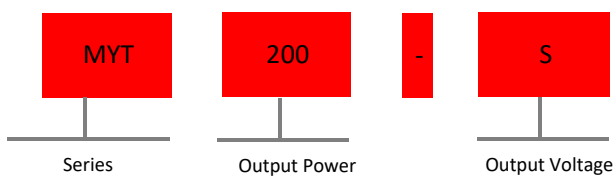
▲ Features

- 200-240VAC input
- 100% full load burn-in test
- Protections: Short circuit/Overload/Over voltage
- LED indicator for power ON
- Can be installed on DIN rail TS35 with optional mounting bracket
- Transient overload capacity: 110%-150%
- Cooling by free air convection
- Vibration protection
- Metal housing
- Surge protection
- Isolated output & GND for every channel

▲ Applications

- Industrial automation control system
- Intelligent control system
- Electronic instruments and devices
- LED control
- Household appliances

▲ Model encoding



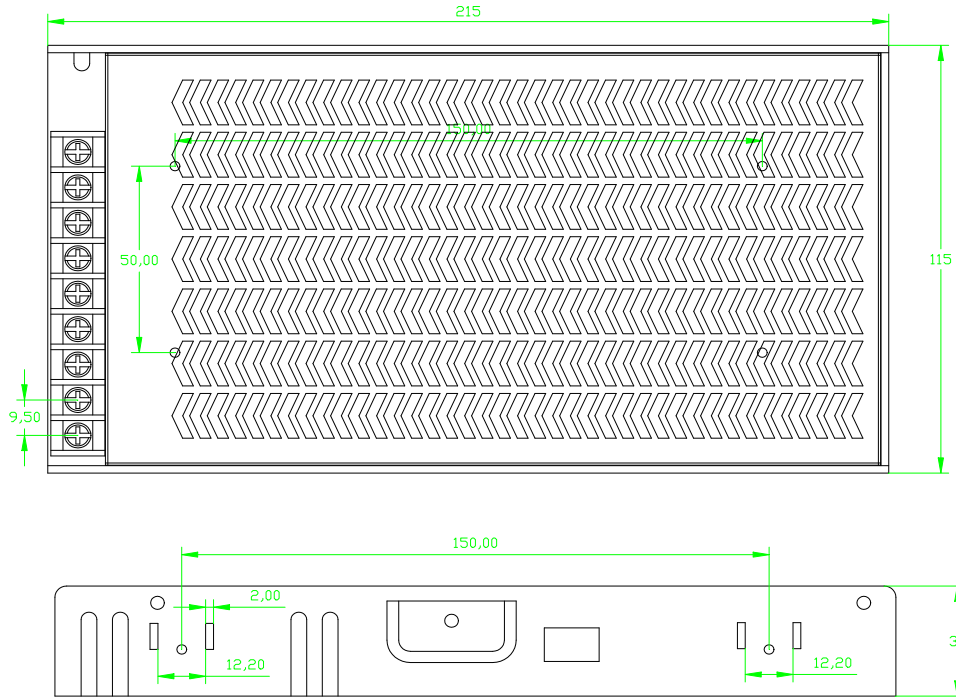


Specification

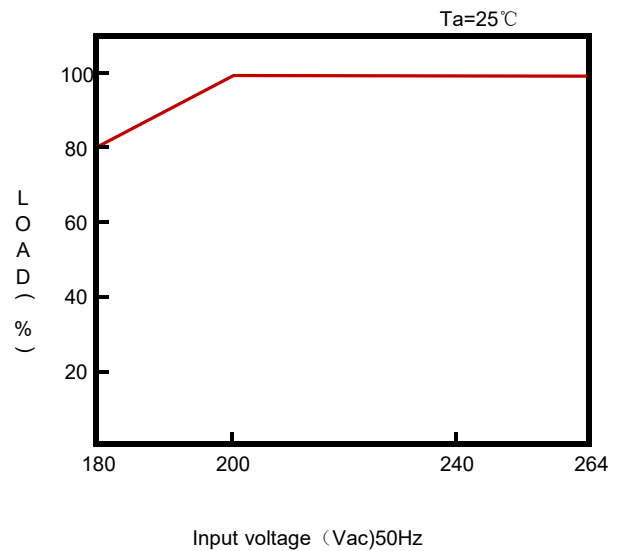
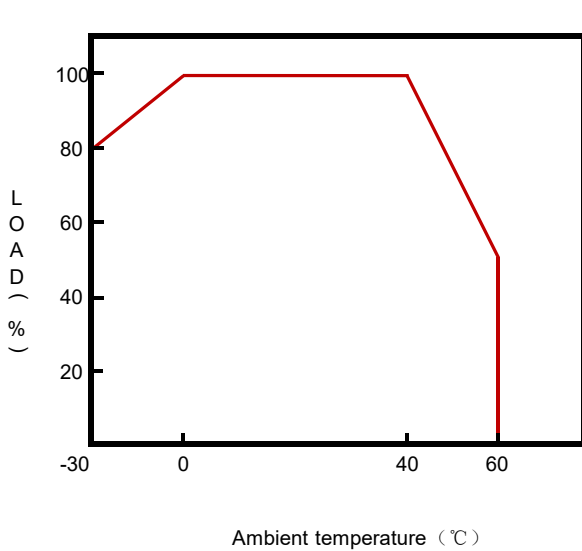
| Input | | | | | | |
|--------------------------------|---|------------------|-------------------|--|---|---------------|
| Input voltage *1 | 180-264VAC 255-370VDC | | | | | |
| AC current | 2.5A/230VAC/MAX | | | | | |
| Frequency range | 47-63Hz | | | | | |
| Inrush current(max.) | 22A/115VAC 44A/230VAC | | | | | |
| Output | | | | | | |
| Model | MYT200-Q | | | MYT200-S | | |
| Output channel | CH1 | CH2 | CH3 | CH1 | CH2 | CH3 |
| DC voltage | 5V | 12V | -12V | 24V | 12V | 5V |
| Efficiency | 80% | | | 83% | | |
| Voltage ADJ. range | ±10% | ±10% | ±10% | ±10% | ±10% | ±10% |
| Rated current | 12A | 5A | 2A | 5A | 5A | 5A |
| Current range | 0-12A | 0-5A | 0-2A | 0-5A | 0-5A | 0-5A |
| Rated power | 144W | | | 205W | | |
| Ripple & noise(max.) *2 | 120mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 120mVp-p | 100mVp-p |
| Voltage tolerance *3 | ±2% | ±2% | ±2% | ±2% | ±2% | ±2% |
| Line regulation *4 | ±2% | ±2% | ±2% | ±1% | ±1% | ±1% |
| Load regulation *5 | ±2% | ±2% | ±2% | ±1% | ±1% | ±1% |
| Start up, rise time | 500ms 30ms/230VAC (@Full load) | | | | | |
| Hold up time | 50ms/230VAC (@Full load) | | | | | |
| Status indicator | Green LED | | | | | |
| Protection | | | | | | |
| Overload | 110%-150% of rated output power Protection mode: Hiccup mode, recover automatically after the fault condition is removed | | | | | |
| Over voltage | Ch1:5.75-6.75V | Ch2:13.8-16.2V | Ch3: -13.8--16.2V | Ch1:27.6-32.4V | Ch2:13.8-16.2V | Ch3: 5.75-13V |
| | Protection mode: Hiccup mode, recover automatically after the fault condition is removed | | | | | |
| Safety & EMC | | | | | | |
| Withstand voltage | I/P-O/P:3KVAC 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/25℃/70% RH | | | | | |
| Standard*6 | Design refer to EN IEC 62368-1、GB4943.1 | | | | | |
| EMC emission | Parameter | Standard | | | Test level | |
| | Conducted | EN 55032 | | | Design refer to Class A | |
| | Radiated | EN 55032 | | | Design refer to Class A | |
| | Voltage Flicker | EN 61000-3-3 | | | Design refer to Class A | |
| EMC immunity | Harmonic Current | EN IEC 61000-3-2 | | | Design refer to Class A | |
| | Parameter | Standard | | | Test level | |
| | ESD | EN 61000-4-2 | | | Level 3 8KV air;Level 2 4KV contact | |
| | Radiated Susceptibility | EN 61000-4-3 | | | Level 2 3V/m | |
| | EFT/Burest | EN 61000-4-4 | | | Level 3 2KV | |
| | Surge | EN 61000-4-5 | | | Level 3 2KV/Line-Line;Level3 4KV/Line-Line-FG | |
| | Conducted | EN 61000-4-6 | | | Level 2 3V | |
| Magnetic Field | EN 61000-4-8 | | | Level 2 3A/m | | |
| Voltage Dips and interruptions | EN 61000-4-11 | | | <5% residual voltage for 0.5 cycles ,70% residual voltage for 25 cycles , <5% residual voltage for 250 cycles: | | |
| Environment | | | | | | |
| Operating temperature | - 30~+60℃ (>40℃ please refer to Derating Curve) | | | | | |
| Storage temperature | - 40~+85℃ | | | | | |
| Storage humidity | 10-95% RH | | | | | |
| Vibration | 10-500Hz,2G 10min/1 cycle, 60 min along with each X,Y,Z axes | | | | | |

| Others | | |
|------------------|--|-----------|
| MTBF | ≥270K hrs,MIL-HDBK-217F(25℃) | |
| Installation | Panel mounting or DIN rail TS35 installation with optional accessory | |
| Protection class | IP20 | |
| Weight | ~0.9Kg | |
| Dimension(L*W*H) | 215*115*30mm | |
| Ordering | Description | Model |
| | MYT 144W 12A/5V 5A/12V 2A-12V | MYT200-Q |
| | MYT 144W 5A/24V 5A/12V 5A/5V | MYT200-S |
| Accessory | Description | Model |
| MF-TS350L | L-type installation bracket/4pcs | MF-TS350L |
| MF-TS350H | H-type installation bracket/2pcs | MF-TS350H |

Installation instruction



Derating curve



Note:

- 1: All parameters are measured at 230VAC input, rated load and 25°C of ambient temperature unless otherwise specified
- 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.
- 4: Line regulation is measured from low line to high line at rated load
- 5: Load regulation is measured from 0% to 100% of rated load
- 6: According to GB4943.1, the power supply is only used in area which altitude lower than 2000m and non-tropical climates