MTS200-□ Series



▲ Features

Withstand 300VAC surge input for 5 second

Protections: Short circuit / Overload / Over voltage /Over temperature Intelligent control system

Cooling by free air convection

1U low profile

Withstand 5G vibration test

LED indicator for power on

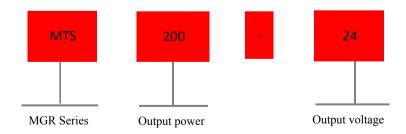
100% full load burn-in test

Operating altitude up to 5000 meters

High efficiency, long life and high reliability

3 years warranty

▲ Model code



▲ Applications

Industrial automation control system

Electronic instruments and devices

LED control

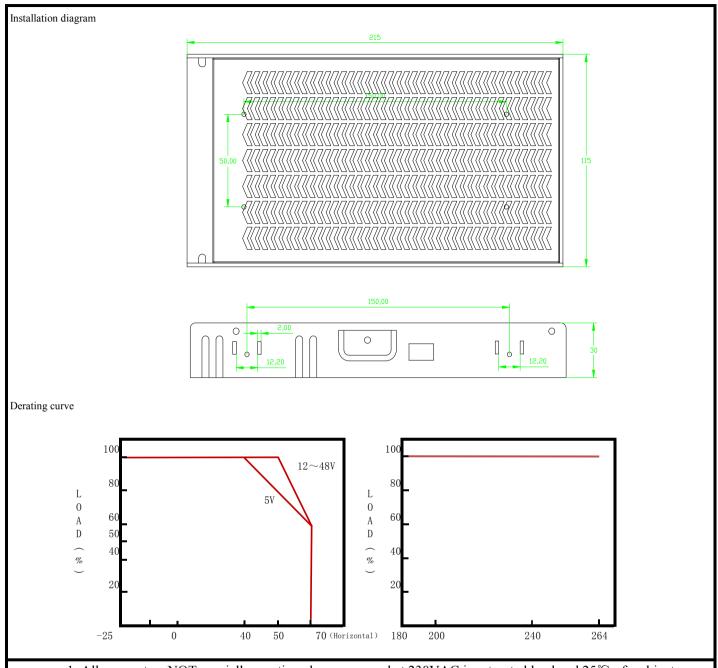
Household appliances



Electrical specifications

Electrical specifications						
Input parameter						
Voltage range	180-264VAC 240-37	0VDC				
AC current	2.2A/230VAC					
Frequency range	47-63Hz					
Inrush current (max)	Cold start: 60A/230VAC					
Output parameter						
DC voltage (V)	5V	12V	24V	36V	48V	
Efficiency	85%	87%	88%	89%	89%	
Rated Current (A)	40A	17A	8.8A	5.9A	4.4A	
Voltage adj.range	±10%					
Rated power(W)	200W	204W	211.2W	212.4W	211.2W	
Ripple & noise(max) Note.2	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	
Voltage tolerange Note.3	±3%	±1.5%	±1%	±1%	±1%	
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
Load regulation Note.5	±2%	±1%	±0.5%	±0.5%	±0.5%	
Setup, rise time	1300ms 50ms/230VAC (at full load)					
Hold up time	16ms/230VAC (at full load)					
Status indicator	Green LED					
Protect function						
Overload Over voltage(V)	The rated output power is 110%-140%					
	Protection mode: Hiccup mode, recovers automatically after fault condition is removed					
	5.75-6.75V 13.8-16.2V 28.8-33.6V 41.4-46.8V 55.2-64.8V					
	Protection mode: Hiccup mode, recovers automatically after fault condition is removed					
Over temperature		to normal temperature				
Safety and electromagnetic com		r i r r				
Withstand voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70 % RH					
Safety specification	60950-1、GB4943.1					
EMC emission	Design Reference EN55022(CISPR22)Class B,EN61000-3-2,-3					
EMC immunity	Design Reference EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-1, light industry level, criteria A					
Environmental parameters				, 8		
Working temperature	- 25~+70 °C (Refer to "Derating curve")					
Storage temperature	- 40~+85°C					
Storage humidity	10-95 % RH					
Vibration	10-500Hz,2G 10 min/cycle X,Y,Z axis 60 minutes.					
The other parameters		J . , ,				
Mean time between failure	327.9K hrs min.MII	HDBK-217F(25°C)/300	W≥347.5K hrs			
Installation	Back-mounted or accessories front-mounted					
Protection class	IP20					
Weight	0.66kg					
Length*width*height	215*115*30					
Order data		Parameters to describes Order type				
	MTS 200W 40A/5V MTS200-05S					
	MTS 204W 17A/12V MTS200-12S					
	MTS 211.2W 8.8A/24V MTS200-24S					
	MTS 212.4W 5.9A/36V MTS200-36S					
	MTS 211.2W 4.4A/48V MTS200-36S					
Accessories available	Parameters to descri					
Accessories available	Parameters to describes Flat mounting/two packs MF-TS350H					
	L type installation/two packs MF-TS350L					





- Note:
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $^{\circ}$ 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.
- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 0% to 100% rated load.
- 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set uptime.
- 7. The 140% peak load capability is built in for up to 1 second for 12~48V.MTS-200 will enter hiccup mode if the peak load is delivered for over 1 second and will recover once it resumes to the rated current level.
- 8. The ambient temperature derating of 5°C /1000m is needed for operating altitude greater than 2000m(6500ft).