

## MTS100-□F Series



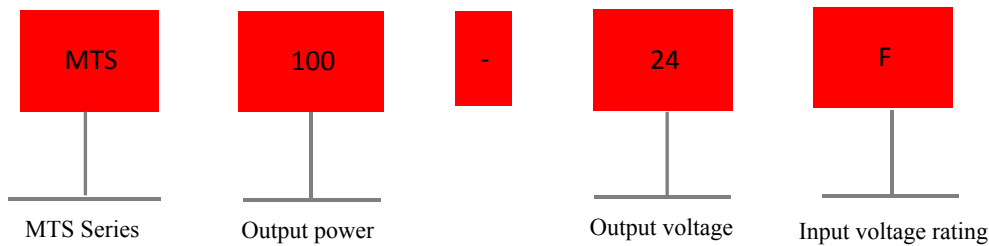
### ▲ Features

- No load power consumption <math>< 0.3W</math>
- Withstand 300VAC surge input for 5 second
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: short circuit/overload/over voltage
- Universal AC input /Full range
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- Cooling by free air convection
- Operating altitude up to 5000meters
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

### ▲ Applications

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

### ▲ Model code





## Electrical specifications

Input parameter				
Voltage range	85-264VAC 120-373VDC			
AC current	1.9A/115VAC 1.2A/230VAC			
Frequency range	47-63Hz			
Inrush current (max)	50A/230VAC			
Output parameter				
DC voltage (V)	5V	12V	15V	24V
Efficiency	86%	88%	88%	88%
Rated Current (A)	13A	8.5A	7A	4.5A
Voltage adj.range	±10%			
Rated power(W)	65W	102W	105W	108W
Ripple & noise(max )Note.2	100mVp-p	120mVp-p	120mVp-p	150mVp-p
Voltage tolerange Note.3	±2%	±1%	±1%	±1%
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note.5	±1%	±0.5%	±0.5%	±0.5%
Setup, rise time	1000ms 30ms/230VAC 2000ms 30ms/115VAC(at full load)			
Hold up time	50ms/230VAC 46ms/115VAC(at full load)			
Status indicator	Green LED			
Protect function				
Overload	The rated output power is 110%-150%			
	Protection mode: Hiccup mode, recovers automatically after fault condition is removed			
Over voltage(V)	5.75-6.75V	13.8-16.2V	18.75-21.75V	28.8-33.6V
	Protection mode:Hiccup mode, recovers automatically after fault condition is removed			
Safety and electromagnetic compatibility				
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			
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				
Working temperature	- 25~+70 ℃ (Refer to "Derating curve ")			
Storage temperature	- 40~+85℃			
Storage humidity	10-95% RH			
Vibration	10-500Hz,2G 10 min/cycle X,Y,Z axis 60 minutes.			
The other parameters				
Mean time between failure	720.6K hrs min MIL-HDBK-217F(25℃)			
Installation	Back-mounted			
Protection class	IP20			
Weight	0.3kg			
Length*width*height	128*97*30			
Order data	Parameters to describes	Order type		
	MTS 65W 13A/5V	MTS100-05F		
	MTS 102W 8.5A/12V	MTS100-12F		
	MTS 105W 7A/15V	MTS100-15F		
	MTS 108W 4.5A/24V	MTS100-24F		

