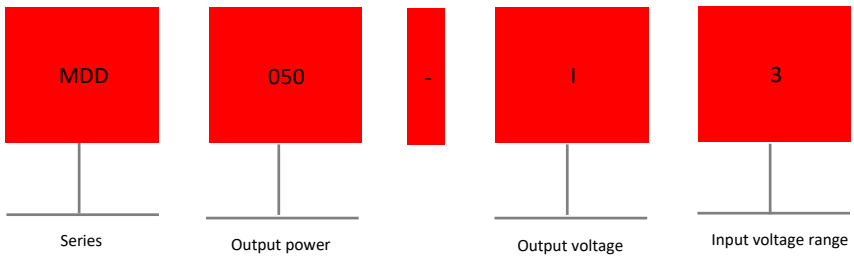
▲ Specification

100% full load burn-in test
Protection: Over Voltage/Over load/Short circuit
Power ON LED indicator
TS 35 rail installation(with optional rail mounting bracket)
Seismic protection
"Three pivot point"M4 installation
"Three-proof" treatment, suitable for harsh working environments
Terminal with protective cover
Alluminum case
surge protection
2 years warranty

▲ Application

Industrial automation control system
Intelligent control system
Electonic instruments and devices
LED power supply
Household appliances

▲ Model encoding



Mibbo

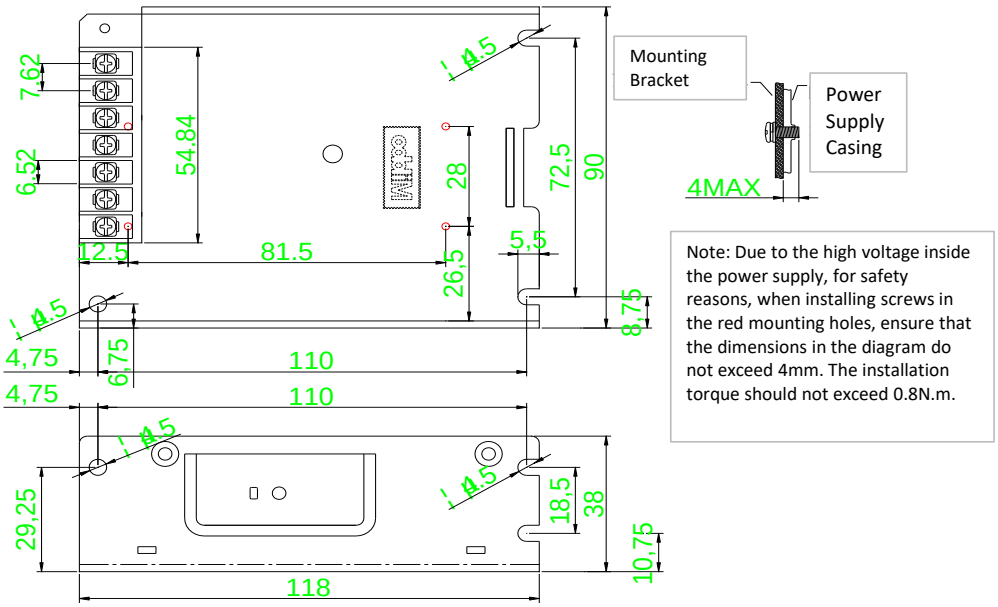
Specification

Input			
Input voltage	36-72VDC		
Input current	2A(Max)		
Surge current (max)	＜70A		
Output			
Output channel	V1	V2	
DC rated voltage （V)	+15V	-15V	
Efficiency	82%		
Output voltage adjustment range	V1:14.6-15.4V		
Rated current (A)	1.7A	1.7A	
Rated power (W)	51W		
Ripple & noise(max MVP-P)note2	60mVp-p	60mVp-p	
Voltage tolerance note3	±2%	±6%	
Line regulation note4	±0.5%	±1%	
Load regulation note5	±1.5%	±3%	
Setup, rise time	500ms 30ms/230VAC 1200ms 30ms/115VAC(at full load)		
Hold up time	50ms/230VAC 10ms/115VAC(at full load)		
Status indicator	Green LED		
Protection			
Over load	110%-150% of the rated output power		
	Protection mode: Hiccup mode, recover automatically after fault condition is removed		
Over voltage (V)	V1:18-21V		
	Protection mode: Hiccup mode, recover automatically after fault condition is removed		
"Three-proof" treatment	Suitable for high dust, condensation environments		
Safety and EMC			
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70％RH		
Safety standard note 6	Reference EN IEC 62368-1、GB4943.11		
EMC emission	**Prameters**	**Standard**	**Test level**
	Conducted	EN 55032	Reference Class A
	Radiated	EN 55032	Reference Class A
	Voltage Flicker	EN 61000-3-3	Reference Class A
	Harmonic Current	EN IEC 61000-3-2	Reference Class A
EMC immunity	**Prameters**	**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 2,3V/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			
Working temperature	-25～+60℃（＞50℃ derating, refer to derating curve）		
Storage temperature	-40～+85℃		
Storage humidity	10-95％RH		
Vibration resistance	10-500Hz,2G 10Min/Circle 60min in each X,Y,Z direction		

Others		
MTBF	≥370K hrs,MIL-HDBK-217F(25℃)	
Installation	Screw in plate or install in TS35 rail with the accessory	
Protection class	IP20	
Weight	About 0.35Kg	
Dimension	118*90*38mm	
Data	**Description**	**Model**
	MDD 50W V1+15V=1.7A,V2-15A=1.7A	MDD050-I3
Accessory	**Description**	**Model**
Rail Pin	TS35 mouting accessory	MFS-F050B

Mibbo

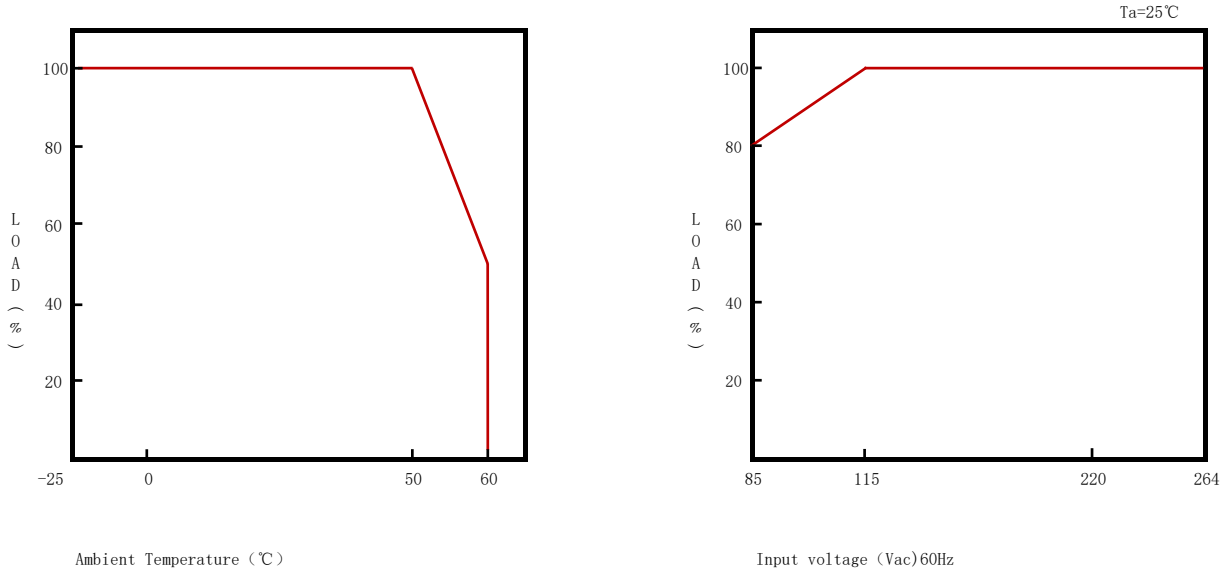
Installation instruction



Wiring Terminal Installation Instructions

Terminal Block	U-Terminal Width	Wire Installation	Max Torque
762	6.5mm MAX	22-14AWG	0.8N.m(MAX)

Temperature Curve



Note: 1:All parameters NOT specially mentioned are measured at input 230VAC, rated load and 25℃ ambient Temperature
2:Ripple & noise are measured at 20MHZ of bandwidth by using a "twisted pair-wire teminated with a 0.1uf & 47uf parallel capacitor"
3:Tolerance: includes set up tolerance, line regulation and load regulation.
4:Line regulation is measured from high voltage to low voltage at rated load
5:Load regulation is measured from 0% to 100% rated load
6:According to the requirements of GB4943.1, the power supply is only used in areas below sea level of 2000M and non-tropical climates