▲ Features

Superior performance with small ripple
Input 115/230VAC ,selectable by switch
100% full load burn-in test
Protections:short circuit/overload/over voltage/over temperature
LED indicator for power on
Optional installation accessories, can be installed flat
Compensating output voltage function
Instant overload capability is 105%-130%
“Three proof”treatment，suitable for severe environment
Seismic protection
Terminal with protective cover
All aluminum case
Surge protection
2 years warranty

▲ Applications

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

▲ Model Encoding

MPS	-	600W	24V	S	S
Model name		Output wattage	Output voltage	Input voltage S:115/230V 1:200/240VAC	Terminal selection

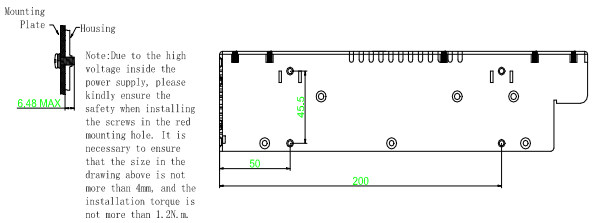
Mibbo

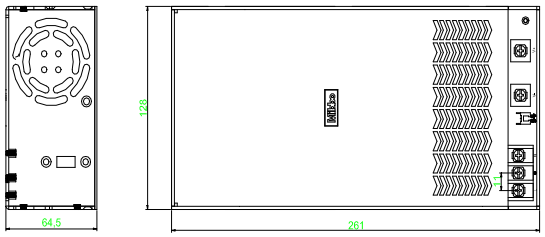
Specification

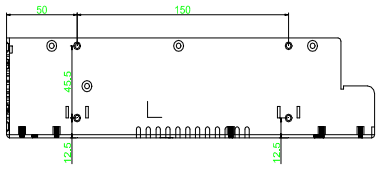
Input										
Voltage range	90-132VAC or 180-264VAC（Code switch switch） 254-370VDC							176-264VAC 250-370VDC		
AC current	12A/100VAC 7.5A/230VAC							7.5A/230VAC		
Frequency range	47-63Hz									
Inrush current (max)	90A/230VAC									
Output										
DC voltage (V)	5V	12V	15V	24V	27V	36V	48V	60V	80V	110V
Efficiency	78%	83%	84%	87%	87%	87%	88%	88%	88%	88%
Voltage ADJ.range	±10%									
Rated Current(A)	100A	50A	40A	25A	22.2A	16.6A	12.5A	10A	7.5A	5.5A
Rated power(W)	500W	600W	600W	600W	599.4W	597.6W	600W	600W	600W	605W
Ripple & noise(max) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	240mVp-p	260mVp-p	300mVp-p
Voltage tolerange Note.3	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note.5	±0.2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Setup，rise time	1000ms 50ms/230VAC 1000ms 50ms/115VAC(at full load)									
Hold up time	20ms/230VAC 16ms/115VAC(at full load)									
Status indicator	Green LED									
Protection										
Overload	105%-130% rated output power									
	Protection type: shut down o/p voltage,re power on to recover									
Over voltage(V)	5.75-6.3V	13.8-16.2V	18-21V	27.6-32.4V	31-36.5V	42-50V	57.6-67.2V	72-84V	96-112V	132-154V
	Protection type: shut down o/p voltage,re power on to recover									
Over temperature	Protection type:shut down o/p voltage,recovers antomatically after temperature goes down									
Safety and EMC										
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℃/70％RH									
Safety standards Note.6	Design refer to EN IEC 62368-1、GB4943.1									
EMC emission	**Parameter**	**Standard**	**Test Level**							
	Conducted	EN 55032	Class A							
	Radiated	EN 55032	Class A							
	Voltage Flicker	EN 61000-3-3	Design refer to Class A							
	Harmonic Current	EN IEC 61000-3-2	Design refer to Class A							
EMC immunity	**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:							
Environmental										
Working temperature	－25～＋60℃(Refer to "Derating curve ")									
Storage temperature	－40～+85℃									
Storage humidity	10-95％									
Vibration	Component:10-500Hz,2G 10 min/1cycle 60 min each along X,Y,Z axes									
Others										
Mean time between failure	≥197K hrs,MIL-HBDK-217F(25℃)									
Installation	Rear mounting or optional accessory front mounting									
Protection class	IP20									
Weight	About 1.5Kg									
Length*width*height	260*130*63.5mm									

Data	Details	Model name
	MPS 500W 100A/5V	MPS-600W05VSS
	MPS 600W 50A/12V	MPS-600W12VSS
	MPS 600W 40A/15V	MPS-600W15VSS
	MPS 600W 25A/24V	MPS-600W24VSS
	MPS 599.4W 22.2A/27V	MPS-600W27VSS
	MPS 597.6W 16.6A/36V	MPS-600W36VSS
	MPS 600W 12.5A/48V	MPS-600W48VSS
	MPS 600W 10A/60V	MPS-600W60V1S
	MPS 600W 7.5A/80V	MPS-600W80V1S
	MPS 605W 5.5A/110V	MPS-600W110V1S

Installation Instruction







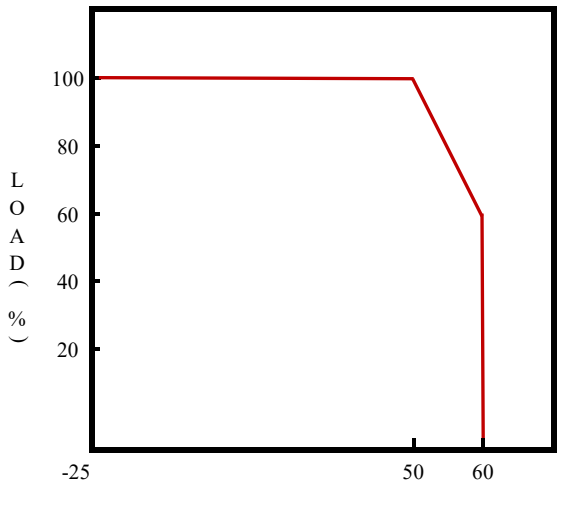
Installation instructions

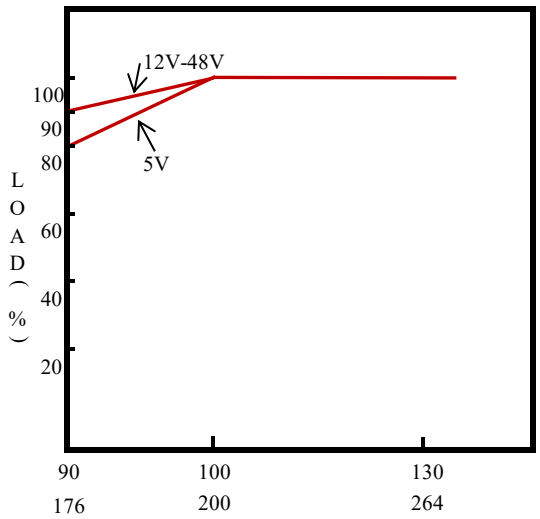
Terminals spec	U Type of the width of the terminal	Wire installation specification	Max Torque
110 Terminals	8mm MAX	22-12AWG	12N.m (MAX)

Installation instructions

Terminals spec	U Type of the width of the terminal	Wire installation specification	Max Torque
Copper terminals	15mm MAX	22-6AWG	12N.m (MAX)

Derating curve





Note:
1.All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25℃ of ambient temperature.
2.Ripple & noise are measured at 20MHZ of bandwidth by using a 12"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 low line to high line 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 for safe use in areas below sea level of 2000M and non-tropical climates.