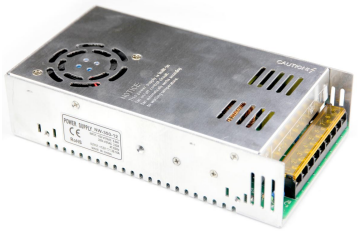
500W LED POWER SUPPLY SINGLE OUTPUT

TOP DRIVER®

Dimension
L: 215 mm
W:115 mm
H:50mm

Weight: 0.8Kg



■Applications

· Industrial controlsystem
· Industrial automation machinery
· Mechanical and electrical equirment
· Electronic instruments, equirments or apparatus
· LED Lighting Series

■Features

·International broad voltage AC input
·Protection: short-circuit, overload,overheat
·100% full-load aged
·300VAC surge for 5 seconds withstandable
·Working temperature up to 60℃
·5G vibration tested
·High efficiency, long life span, and high reliability
·3 years warranty

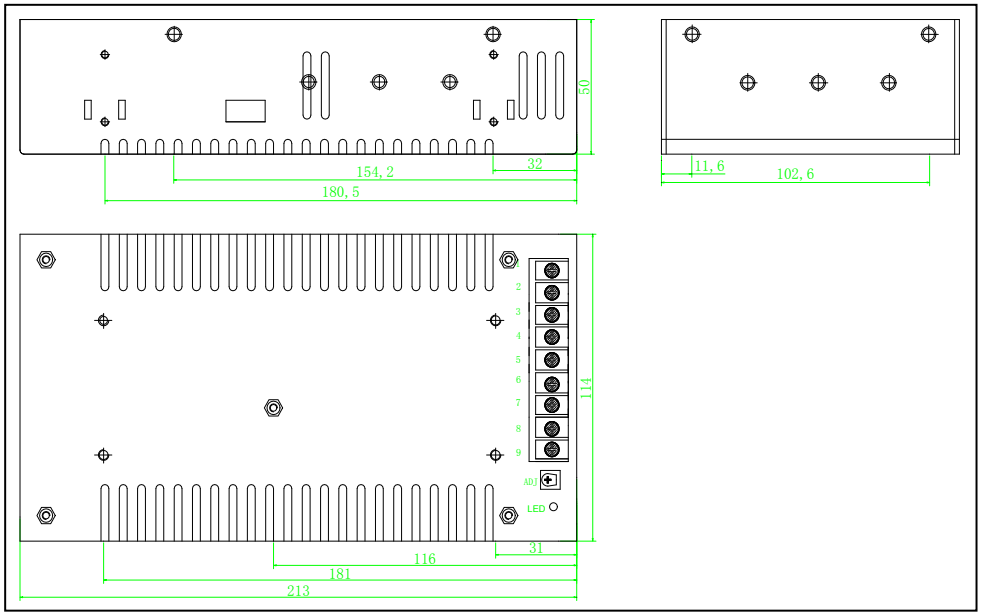
CE CB IEC62368-1 EN62368-1 EN61558-1 EN61558-2-16

Specifications

Product No.		NW-500-12	NW-500-15	NW-500-24	NW-500-48		
Output	DC voltage	12V	15V	24V	48V		
	Rated Current	41A	33.3A	21A	10.4A		
	Current Range	0-41A	0-33.3A	0-21A	0-10.4A		
	Rated Power	500W	500W	500W	500W		
	Ripple and Noise(Max)Note.2	150mVp-p	180mVp-p	240mVp-p	250mVp-p		
	Voltage adjustment	10.8-13.2V	13.5-16.5V	22-27.6V	44-52V		
	Voltage Accuracy Note3	±1%	±1%	±1%	±1%		
	Linear Adjustment Note4	±0.5%	±0.5%	±0.5%	±0.5%		
	Load Adjustment Note5	±0.5%	±0.5%	±0.5%	±0.5%		
	Start and rise time	1000ms,30ms/230VAC					
	Hold time（Typ）	50ms/230VAC					
Input	Voltage range	AC 220±15%					
	Frequency range	50HZ					
	Efficiency（Typ）	80%	81%	82%	82%		
	AC current （Typ）	4.7/220V					
	Surge current (Typ)	Cold Start：65A/230VAC					
	Current leak	<2mA/240VAC					
Protection	Overload	Larger than 105% of capacity					
		restoration after abnormity removed					
	Overvoltage						
		Protection type: Turn off the output voltage and resume after restart					
	Overheat						
Environment	Working temp.	-20～+60℃(Refer to the tenuation curve)					
	Working humidity	20～90% RH, without condense					
	Storage temp & hmdty	-40～+80℃					
	Temp. coefficient	±0.03%/℃ （0～50℃）					
	Vibration proof	10～500HZ,5G 10min / cycle，X、Y、Z axes 60 min each					
Safety reg. & EMC (Note.6）	Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)					
	Voltage proof	I/P-O:1.5KVAC 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					
	EMC irradiation	EN 55022A:2006;EN61000-3-2:1995+A2:2005					
	EMC disturbance proof	EN 61000-3-2:2006;					
	Dimensions	215*115*50mm(L*W*H)					
	Packing	0.8kg/PCS;24PCS/21.2kg					
Notes:	1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25℃ environment temp. 2.Ripple and noise: measured with a 12” double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth. 3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate.						

	4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load. 6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.

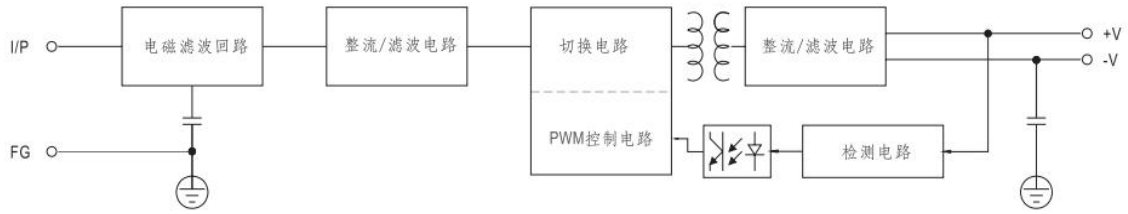
■Appearance



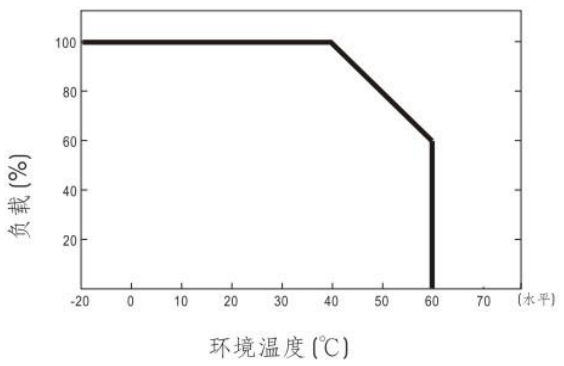
Terminal foot definition

Foot No.	Foot func.	Foot No.	Foot func.
1	AC/L	6	OUTPUT-
2	AC/N	7	OUTPUT+
3	FG	8	OUTPUT+
4	OUTPUT-	9	OUTPUT+
5	OUTPUT-	-	-

■Frame diagram



■Tenuation curve



■Static property cur