400W LED POWER SUPPLY SINGLE OUTPUT

■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

·2 years warranty

Dimension

L: 215 mm

W:115 mm

H:50mm

Weight: 0.8Kg

CE RoHS

Contact: Support@starwell.cc

Specifications

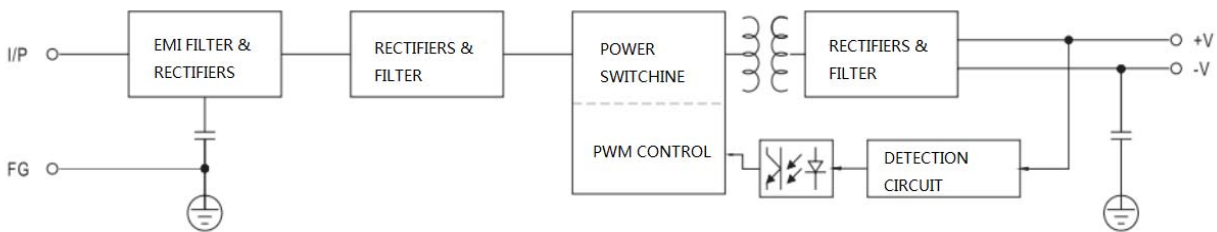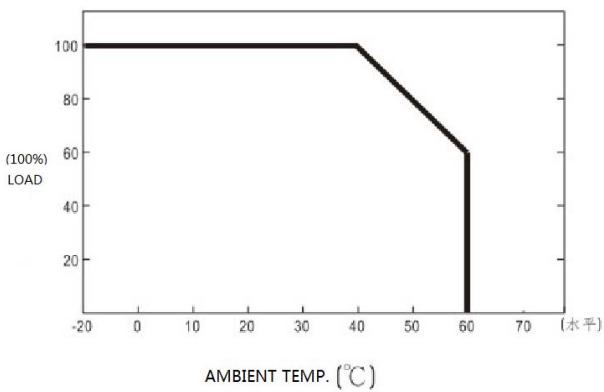|	Product No.	NW-400-12	NW-400-15	NW-400-24	NW-400-48		
Output	DC voltage	12V	15V	24V	48V		
	Rated Current	33A	26.6A	16.6A	8.3A		
	Current Range	0-33A	0-26.6A	0-16.6A	0-8.3A		
	Rated Power	400W	400W	400W	400W		
	Ripple and Noise(Max)Note.2	150mVp-p	180mVp-p	240mVp-p	250mVp-p		
	Voltage adjustment	10.8-13.2V	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%	85%		
	AC current （Typ）	3.8A/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					
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 55032:2015+A11:2020;EN55035:2017+A11:2020					
	EMC disturbance proof	EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019					
	Dimensions	256*102*65(L*W*H)					
	Packing	1.04kg/PCS;14PCS/15.5kg					
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.						

■Appearance

154, 2
32
180, 5
11, 6
102, 6
50

116
31
181
213
114

ADJ
LED
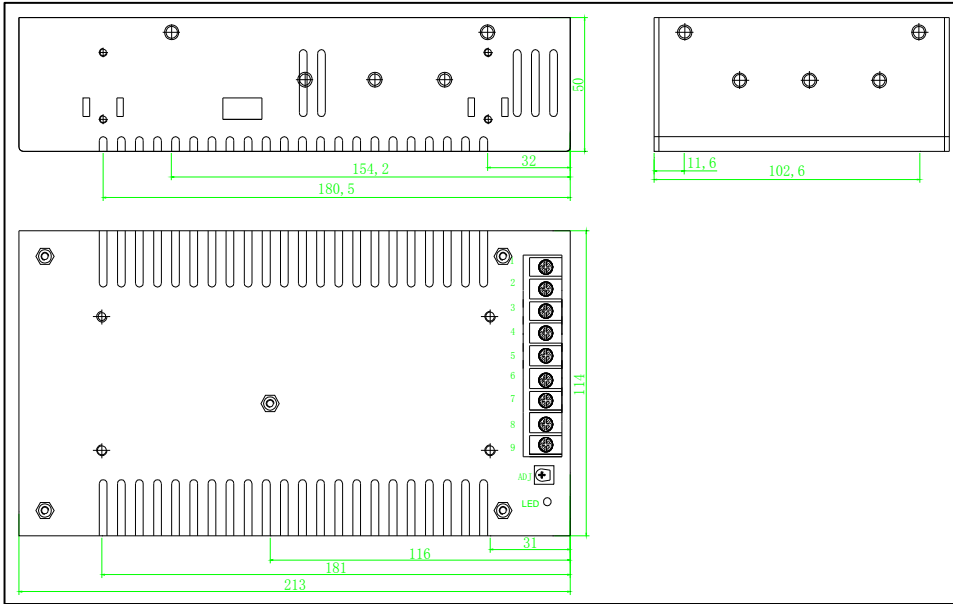
Terminal foot definition

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

I/P — EMI FILTER & RECTIFIERS — RECTIFIERS & FILTER — POWER SWITCHINE — RECTIFIERS & FILTER — +V / -V

PWM CONTROL — DETECTION CIRCUIT

FG

■Tenuation curve

(100%) LOAD
100
80
60
40
20
-20 0 10 20 30 40 50 60 70 (水平)
AMBIENT TEMP. (℃)

■Static property curve

Ta=25℃
(100%) LOAD
100
90
80
70
60
50
40
85 95 100 115 120 140 160 180 200 220 240 264
INPUT VOLTAGE   (VAC)60Hz