



## AOPS600-2U

## 600W Power Supply



### FEATURES

- Wide Input voltage range
- Over voltage protection
- Overcurrent protection
- Built in PFC
- Economic Design
- 2 Yr warranty



MODEL/CHANNEL		Unit	AOPS600-3.3-2U	AOPS600-5-2U	AOPS600-9-2U	AOPS600-12-2U	
OUTPUT	Norminal Voltage	V	3.3	5	9	12	
	Setting Voltage Range	V	3.26~3.33	4.95~5.05	8.91~9.09	11.88~12.12	
	Current	A	100	100	66.5	50	
	Line Regulations	mV	25	25	45	60	
	Load Regulations	mV	50	50	90	120	
	Temperature Drift	mV	75	75	135	180	
	Ripple Max.	mV	80	80	120	120	
	Ripple & Noise Max.	mV	120	120	150	150	
Efficiency	110V	%	69	74	76	78	
Typ.	220V		71	77	79	81	
MODEL/CHANNEL		Unit	AOPS600-15-2U	AOPS600-24-2U	AOPS600-48-2U		
OUTPUT	Norminal Voltage	V	15	24	48		
	Setting Voltage Range	V	14.85~15.15	23.76~24.24	47.52~48.48		
	Current	A	40	25	12.5		
	Line Regulations	mV	75	120	240		
	Load Regulations	mV	150	240	480		
	Temperature Drift	mV	225	360	720		
	Ripple Max.	mV	120	120	150		
	Ripple & Noise Max.	mV	150	150	250		
	Efficiency	110V	%	79	81	82	
	Typ.	220V		83	84	85	
	Turn-on Time max	ms	500 (AC IN 110/220V, Io=100%)				
Hold-up Time Typ.	ms	20 (AC IN 110/220V, Io=100%)					





## AOPS600

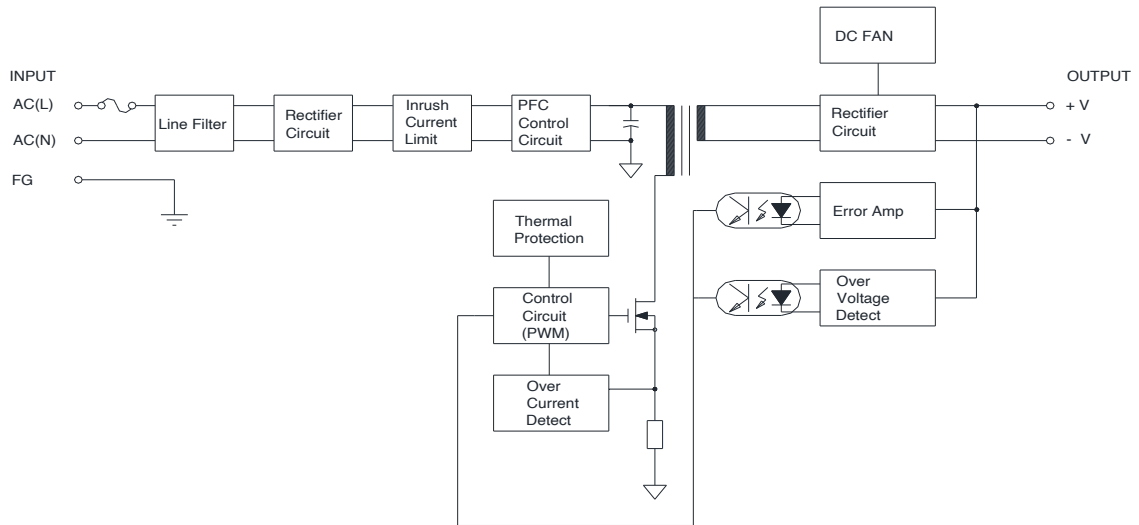
## 600W Power Supply

MODEL/CHANNEL		Unit	AOPS600-3.3-2U	AOPS600-5-2U	AOPS600-9-2U	AOPS600-12-2U
<b>INPUT</b>	Current	110V	4.3	6.6	7.2	
		220V	2.2	3.3	3.6	
	Power factor	110V	0.98	0.98	0.99	
		Typ. 220V	0.92	0.93	0.95	
MODEL/CHANNEL		Unit	AOPS600-15-2U	AOPS600-24-2U	AOPS600-48-2U	
<b>INPUT</b>	Current	110V	7.2			
		220V	3.6			
	Power factor	110V	0.99			
		Typ. 220V	0.95			
	Voltage, Frequency	V	AC100 - 240V(AC85 - 264V), 50/60Hz(47 - 63) or DC120~370V (Universal Input)			
	Inrush Current	110V	20 (Ta=25°C, Io=100% ColdStart)			
Typ. 220V		40 (Ta=25°C, Io=100% ColdStart)				
Leakage Current	110V	0.5(Typ.)				
	Max. 220V	1(Typ)				
<b>FUNCTION</b>	Over Voltage Protection	V	Works at 115~140% of rating			
	Over Current Protection	A	Works at over 110% of rating and recovers automatically			
	Parallel/Series Operation	-	Possible/Possible			
	Cooling / O.T.P	-	Forced air by blower fan/Possible			
<b>ELECTRICAL ISOLATION</b>	(1) Input - Output	-	AC 3 KV 1 min, Cut-off: 20 mA/DC 500V 100MΩ			
	(2) Input - F.G	-	AC 2 KV 1 min, Cut-off: 20 mA/DC 500V 100MΩ			
	(3) Output - F.G	-	AC 0.5 KV 1 min, Cut-off: 100mA/DC 500V 100 MΩ			
<b>Environment</b>	Operating temp. & Humidity	-	-10~65°C 20~90% RH (Non Condensing)			
	Storage temp. & Humidity	-	-20~75°C 20~90% RH (Non Condensing)			
	Vibration	-	10~55 Hz at 2G 3 minutes period, 30 minutes along X. Y and Z axis			
	Safety	-	CE, CB: All model; KC : 05, 12, 24, 48V; approved			
	Conducted Emission & Radiation	-	Complied with EN55022 Class A : All model			
		-	KN 32 Class A approved : 05, 12, 24, 48V			
	EMS Immunity	-	Complied with EN55024 : All model KN 35 approved : 05, 12, 24, 48V			
PFHC	-	Complied with IEC61000-3-2 Class A				
<b>Dimension</b>	Size(LxWxH)/Weight	mm/g	215x120x61/1,800			

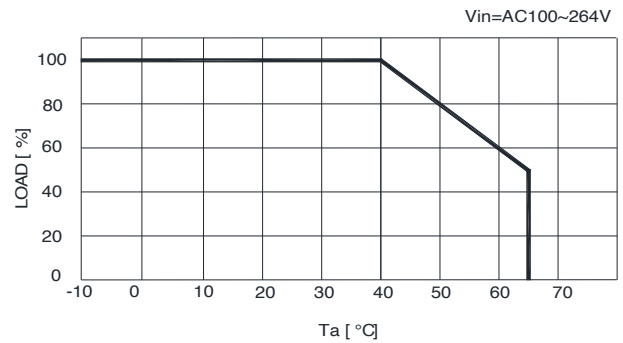
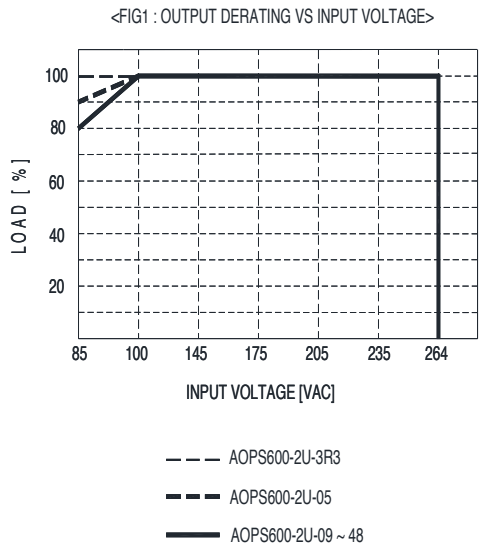




## Block Diagram



## Derating Curve



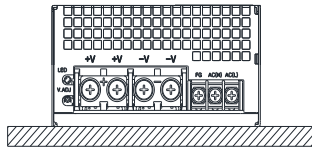
Output Derating Vs. Ambient Temperature

Ta(°C)	LOAD (%)	
	(A) Standard 1	(B) Standard 2
-10 ~ +30	100	100
40	100	100
50	80	80
65	50	50

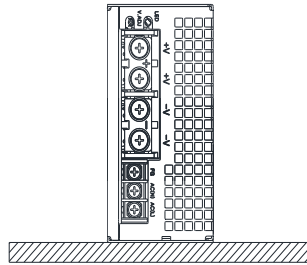




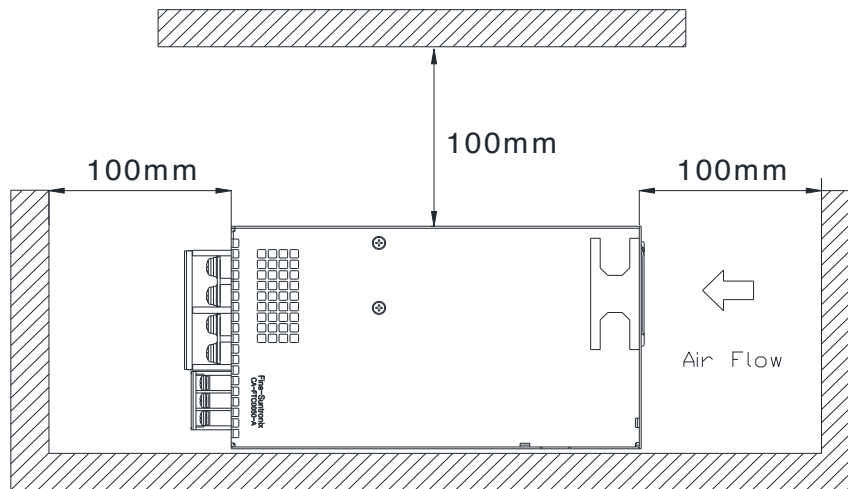
## Mounting/Installation



(A) Standard 1

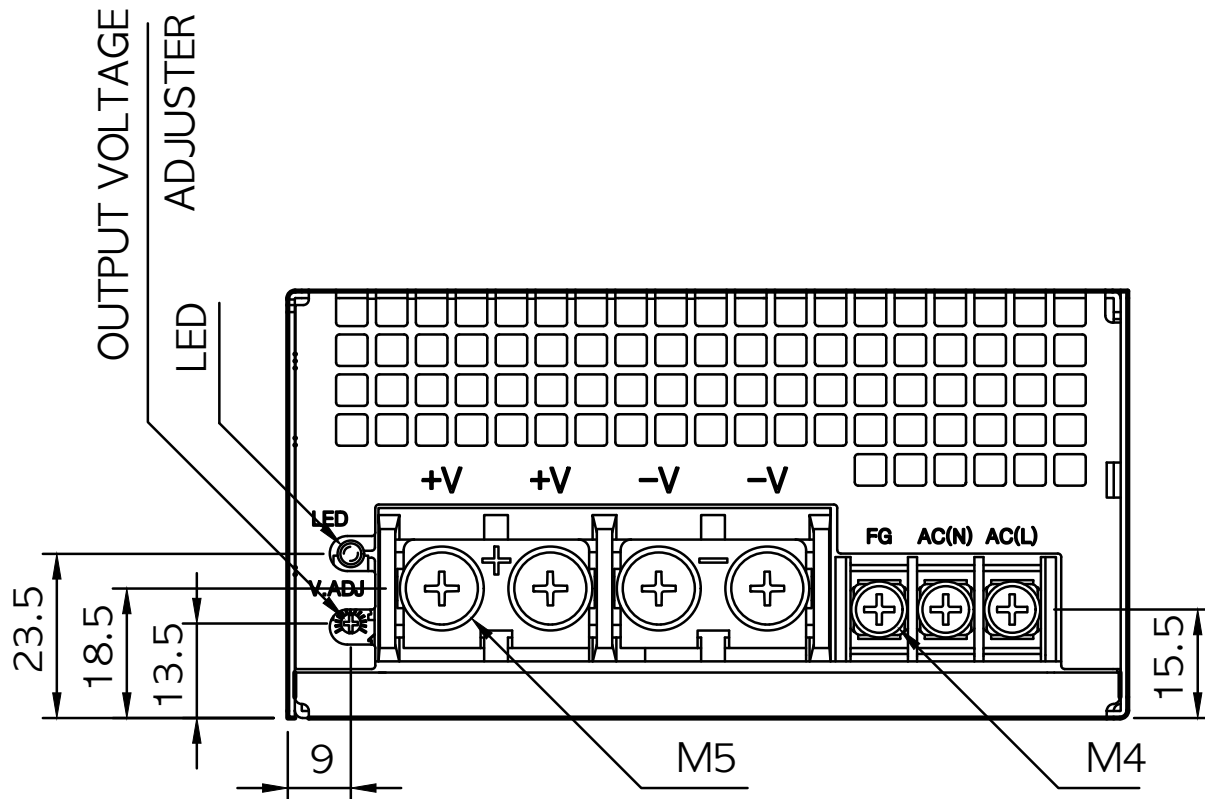


(B) Standard 2





## Terminal Connection



Mark	Pin Connection	Function
L	AC Live line	SMPS AC input Terminal (Fuse in Line)
N	AC Neutral line	SMPS AC input Terminal
F.G	Frame Ground	SMPS AC Grounding, CASE Grounding
-V	DC Output (-)	DC (-) Output Terminal
+V	DC Output (+)	DC (+) Output Terminal





## Mechanical Drawings

