



## AOPS-300

## 300W Power Supply



### FEATURES:

- Universal input
- Parallel or Series Operations available
- Small Size
- Over voltage protection
- Overcurrent protection
- 4 Yr warranty**



MODEL/CHANNEL		Unit	AOPS300-3.3	AOPS300-5	AOPS300-9	AOPS300-12	AOPS300-15	AOPS300-24	AOPS300-48	
<b>OUTPUT</b>	Nominal Voltage	[V]	3.3	5.0	9.0	12	15	24	48	
	Current	[A]	55	55	33.3	26	21	13	6.7	
	Voltage Adjustment Range	[V]	Voltage adjustment trim is +/-15%							
	Rated Power	[W]	180	270	290	310	310	310	320	
	Line Regulations	[mV]	25	25	45	60	75	120	240	
	Load Regulations	[mV]	50	50	90	120	150	240	480	
	Temperature Drift	[mV]	50	75	135	180	225	360	720	
	Ripple & Noise(pk-pk) (*1)	[mV]	120	120	120	150	150	150	250	
	Turn-on Time typ.	[ms]	500 (AC IN 85V, Io=100%)							
	Hold-up Time typ.	[ms]	17 (AC IN 85V, Io 100%)							
<b>INPUT</b>	Voltage, Frequency	[V]	AC100 – 240(AC85 – 264) , 50/60Hz(47 – 63) or DC125-390V (Universal Input)							
	Current Typ. 110V 220V	[A]	2.5 1.3	3.6 (AC IN 85V, Io=100%) 1.8 (AC IN 85V, Io=100%)						
	Efficiency Typ. 110V 220V	[%]	70	78	79	80	83	84	85	
	Power Factor Typ. 110V 220V	-	0.98 0.92	0.98 0.95						
	Inrush Current Typ.110V 220V	[A]	20 ( Ta= 25 Degrees Celsius, Cold Start ) 40 ( Ta=25 Degrees Celsius, Cold Start )							
<b>Function</b>	Over Voltage Protection	[V]	Works at 115 ~ 140% of rating							
	Over Current Protection (*2)	[A]	Works @ 105% ~135% of rating. Protection type.: Constant current limiting unit will shut down after 5 Sec.							
	Auxiliary Power (AUX)	-	12V/0.1A ( only for remote ON/OFF control)							
	Remote Sensing	-	Available							
	Remote ON.OFF	-	Available							
	Alarm Signal	-	POK ( Open collector output)							
	Cooling/O.T.P	-	Forced air cooling / Fan							
<b>Electrical Isolation</b>	(1) Input - Output	-	AC 3.0 KV 1min., cut-off: 20mA / DC 500V 100 MO							
	(2) Input - F.G	-	AC 2.0 KV 1min., cut-off: 20mA / DC 500V 100 MO							
	(3) Output - F.G	-	AC 0.5 KV 1min., cut-off: 100mA / DC 500V 100 MO							
<b>Environment</b>	Operating temp. & Humidity	-	-10 ~70 C. 20~90% RH (NON condensing)							
	Storage temp. & Humidity	-	-20 ~85 C. 20~90% RH (NON condensing)							
	Vibration	-	10~55Hz @ 1 G 3minutes PERIOD, 30minutes along X,Y & Z axis							
<b>Dimension</b>	Size(WxHxD) / Weight	mm/g	126.5 X 82 X 280/ 3800							
<b>Safety</b>	CB, CE, UL, C-UL	-	EN60950-1			UL60950-1; 26 & 36 VDC UL60950, EN60950				
<b>Emission</b>	Conducted Emission	-	Complies with EN55022-A, VCCI-A, CISPR-2							
<b>PFHC</b>	Harmonic Current	-	Complies with IEC61000-3-2-3							

**28VDC @ 54A available upon request**



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