ETA-USA

The Power Professionals

AOPS1500 — 1500W AC/DC



Features

- Small Size
- Built in PFC circuit
- Wide Input voltage range
- 100-240 VAC
- Over voltage protection
- Overcurrent protection
- **5 Yr warranty**

CE UL RoHS

MODEL/CHANNEL			Unit	AOPS 1500-5	AOPS 1500-9	AOPS 1500-12	AOPS 1500-15
OUTPUT	Nominal Voltage		V	5	9	12	15
	Setting Voltage Range		V	4.95~5.05	8.91~9.09	11.88~12.12	14.85~15.15
	Current		A	240	150	125	100
	Rated Power Range		W	1200	1350	1500	1500
	Line Regulations		mV	25	45	60	75
	Load Regulations		mV	100	45	60	75
	Temperature Drift		mV	75	135	180	225
	Ripple& Noise(pk-pk)		mV	150	150	150	150

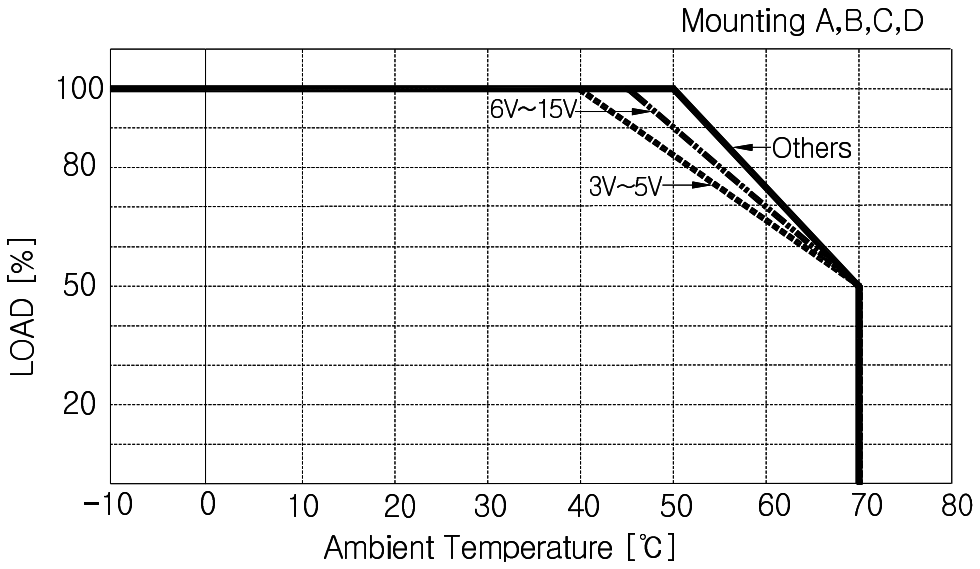
MODEL/CHANNEL			Unit	AOPS 1500-24	AOPS 1500-28	AOPS 1500-48
OUTPUT	Nominal Voltage		V	24	28	48
	Setting Voltage Range		V	23.76~24.24	27.72~28.28	47.52~48.48
	Current		A	63	54	32
	Rated Power Range		W	1512	1524	1536
	Line Regulations		mV	120	140	240
	Load Regulations		mV	120	140	240
	Temperature Drift		mV	360	420	720
	Ripple& Noise(pk-pk)		mV	150	150	200
	Voltage Adjustment		V	Voltage adjustment trim is +/-15%		
	Start-up, Rise Time typ.		ms	1500 typ., 100 typ., (AC IN 110/220V, Io=100%)		
	Hold-up Time typ.		ms	10(AC IN 110V, Io=100%), 15(15 IN 220V, Io=100%)		
INPUT	Voltage, Frequency		V	~240V (AC90~264V), 50/60Hz (43~63) or DC127~370V		
	Current Typ.	110V	A	14	15	16
		220V		7	7.5	7.8
	Efficiency	110V	%	78	82	83
		220V		80	85	87
	Current Typ.	110V	A	16	16	16
		220V		7.8	7.8	7.8
	Efficiency	110V	%	86	86	87
		220V		90	90	91
	Power Factor	110V	-	.98 (Io=100%)		
		220V		.95 (Io=100%)		

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MODEL/CHANNEL		Unit	
Function	Inrush Current Typ. 110V	A	30 (Ta=25°C, Cold Start)
	220V		60 (Ta=25°C, Cold Start)
	Leakage Current 1mA Max 110V	mA	0.6 (Typ.)
	220V		1(Typ.)
	Over Current Protection	A	Works at 105~135% rating Protection type Constant current limiting unit will shut down afer 5 sec. (Re-power on to reocover)
	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
Electrical Isolation	(1) Input	-	AC 3 KV 1min., cut-off: 20mA/DC500V 100MO
	(2) Input - F.G	-	AC 2 KV 1min., cut-off: 20mA / DC 500V 100MO
	(3) Output - F.G	-	AC 0.5 KV 1min., cut-off: 100mA / DC 500V 100MO
Environment	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, 30 minutes along X,Y & Z axis
Dimension	Size(WxLxH)/Weight	mm/g	126.5Lx280Wx82H/3800
Safety	CB, CE, RU	-	EN60950-1
Emission	Conducted Emission	-	Complied with EN55022-A
PFHC	Harmonic Content	-	Complied with IEC61000-3-2-3

Derating Curve — 1500W AC/DC

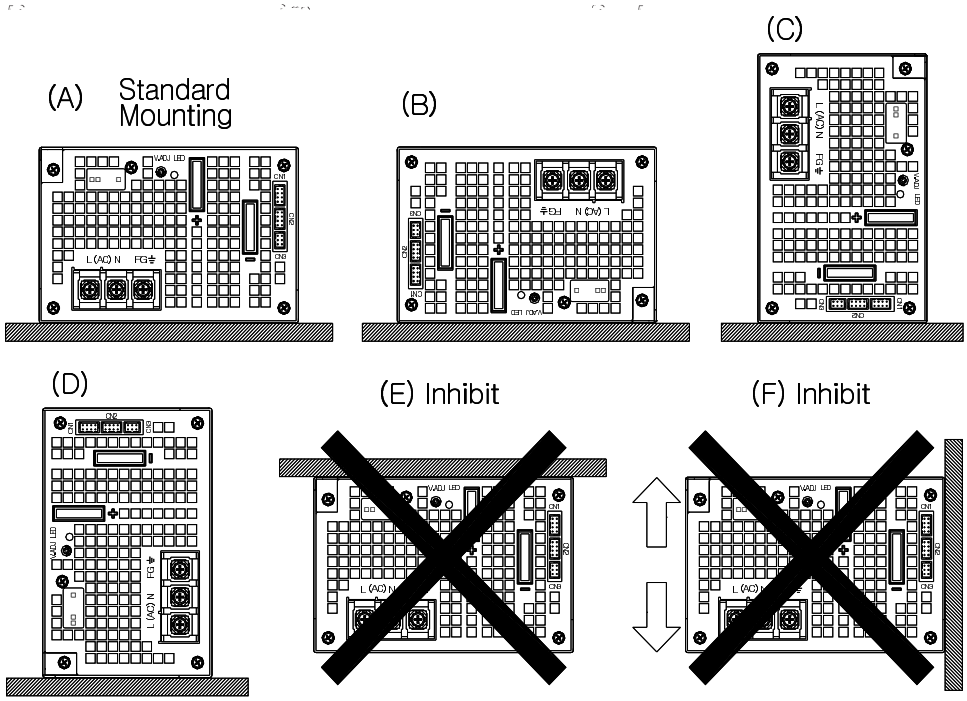


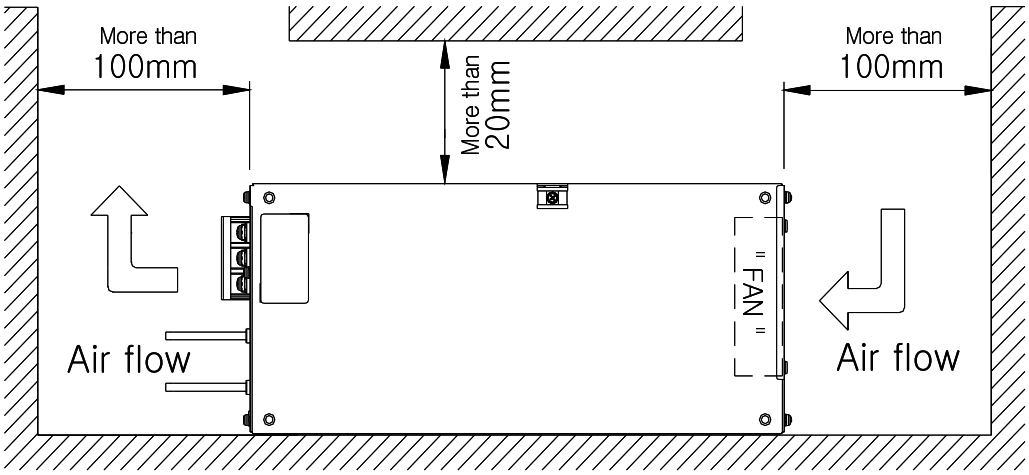
4. Output derating Table

3V~5V Ta(℃)	6V~15V Ta(℃)	Others Ta(℃)	LOAD (%), Mounting			
			A	B	C	D
-10 ~ +40	-10 ~ +45	-10 ~ +50	100	100	100	100
70	70	70	50	50	50	50

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Mechanical Drawings 1500W AC/DC





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Mounting 1500W AC/DC

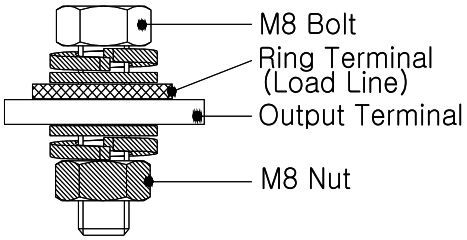
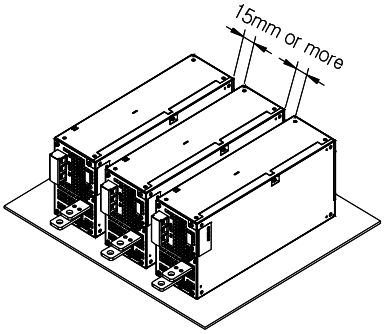
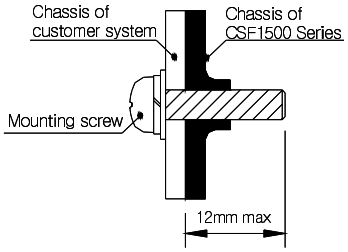


Fig.13 Output terminal & Load line

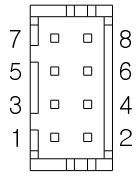




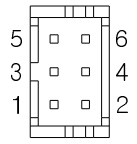
Mounting Screw

Mounting 1500W AC/DC

CN1, CN2 Connector Pin No. Assignment

Connector No.	Pin No.	Assignment	Function
 CN1,CN2	1	RCG	Remote ON/OFF Ground
	2	RC2	Remote ON/OFF
	3,5,7	-S	- Remote Sensing
	4	TRIM	Adjustment of Output Voltage
	6	LS	Load Sharing
	8	+S	+ Remote Sensing

CN3 Connector Pin No. Assignment

Connector No.	Pin No.	Assignment	Function
 CN3	1	POK GND	Power OK Signal Ground
	2	POK	Power OK Signal
	3	RCG	Remote ON/OFF Ground
	4	AUXG	Auxiliary Output Ground
	5	RC1	Remote ON/OFF
	6	AUX	Auxiliary Output (12V/0.1A)

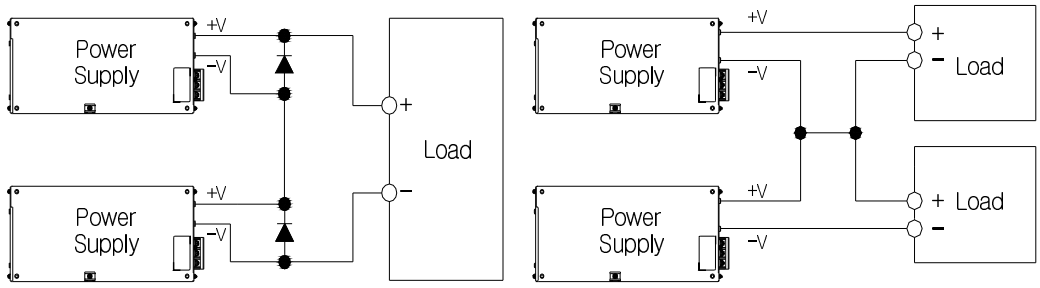
② +V : + Output Terminal (M8 Bolts, M4 Screw x 2EA)

③ -V : - Output Terminal (M8 Bolts, M4 Screw x 2EA)

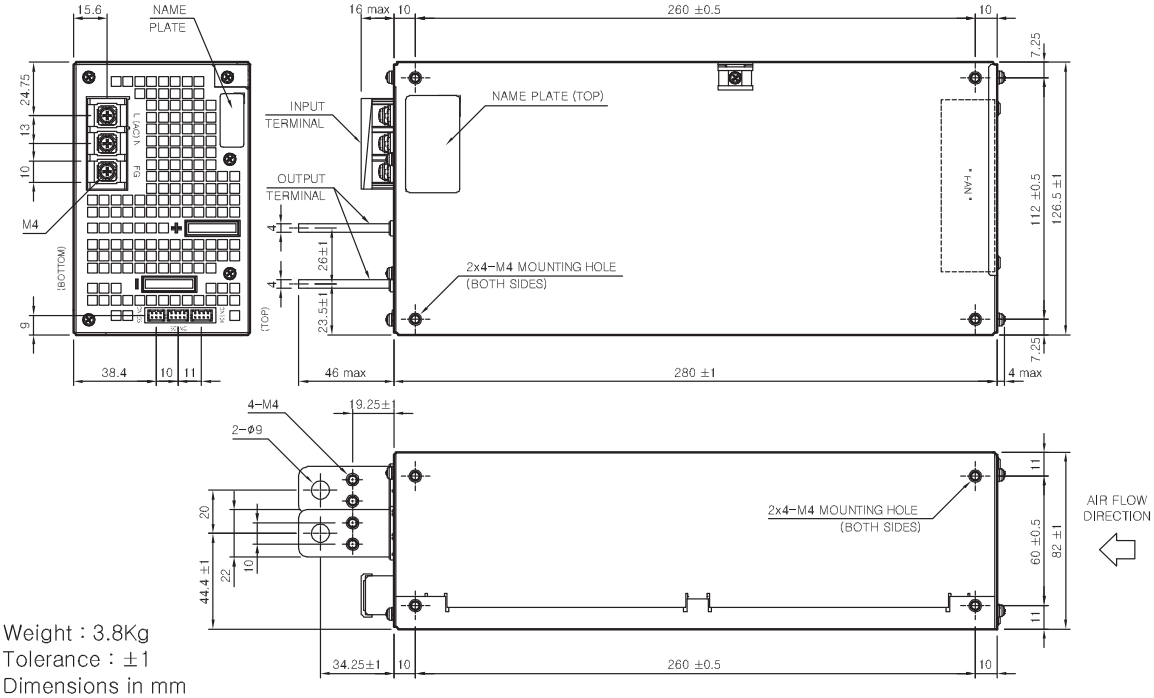
④ CN1
⑤ CN2
⑥ CN3
} Control Connector

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Derating Curve 1500W AC/DC



Mechanical Drawings 1500W AC/DC



* Weight : 3.8Kg
* Tolerance : ±1
* Dimensions in mm

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