

PAA300F



Features

- Harmonic attenuator, PFC (Complies with IEC61000-3-2)
- Universal input (AC85-264V)
- Remote ON/OFF Control
- Parallel operation
- RoHS Compliant

Safety Agency Approvals

- Complies with DEN-AN
- UL1950, CSA C22.2 No.234, EN60950, VDE0160

EMI Compliance

- Complies with FCC-B, CISPR22-B, EN55022-B, and VCCI-B

3 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
PAA300F-3	DC 120 - 340 AC 85 - 264	180	3V 60A
PAA300F-5	DC 120 - 340 AC 85 - 264	300	5V 60A
PAA300F-12	DC 120 - 340 AC 85 - 264	324	12V 27A
PAA300F-15	DC 120 - 340 AC 85 - 264	330	15V 22A
PAA300F-24	DC 120 - 340 AC 85 - 264	336	24V 14A
PAA300F-48	DC 120 - 340 AC 85 - 264	336	48V 7A


**Recommended Noise Filter
NAC-10-472**


High voltage pulse noise type : NAP series
Low leakage current type : NAM series
* The Noise Filter is recommended
to connect with several devices.

- ① Series name
② Output wattage
③ Universal input
④ Output voltage
⑤ Optional
C : with Coating
G : Low leakage current
R : Positive logic control
W : with Alarm signal

MODEL	PAA300F-3	PAA300F-5	PAA300F-12	PAA300F-15	PAA300F-24	PAA300F-48
MAX OUTPUT WATTAGE[W]	180	300	324	330	336	336
DC OUTPUT	3V 60A	5V 60A	12V 27A	15V 22A	24V 14A	48V 7A

SPECIFICATIONS

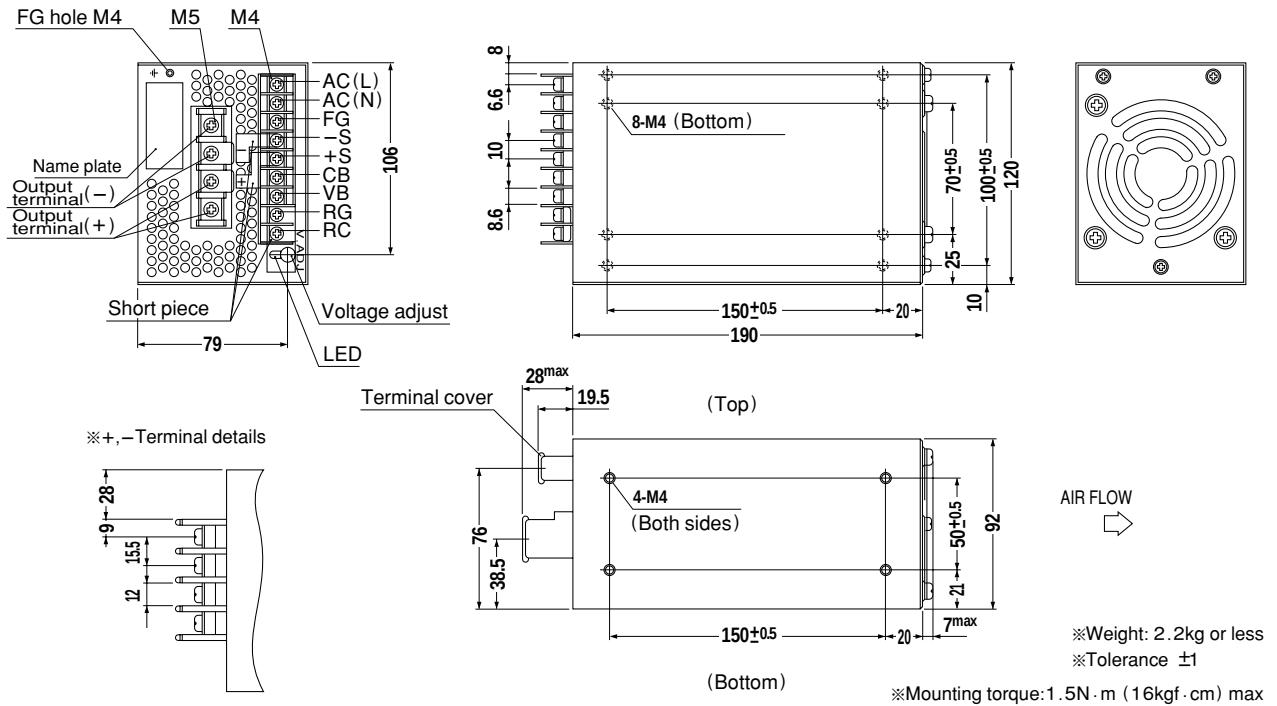
	MODEL		PAA300F-3	PAA300F-5	PAA300F-12	PAA300F-15	PAA300F-24	PAA300F-48
INPUT	VOLTAGE[V]		AC85 - 264 1 φ or DC120 - 340					
	CURRENT[A]	ACIN 100V	2.6typ	4.4typ				
		ACIN 200V	1.3typ	2.2typ				
	FREQUENCY[Hz]		50/60 (47 - 63)					
	EFFICIENCY[%]		68typ	74typ	78typ	80typ	81typ	81typ
	POWER FACTOR	ACIN 100V	0.99typ (lo=100%)					
		ACIN 200V	0.95typ (lo=100%)					
	INRUSH CURRENT[A]	ACIN 100V	20typ (lo=100%)					
ACIN 200V		40typ (lo=100%)						
LEAKAGE CURRENT[ma]		0.75max (60Hz, According to UL, CSA, VDE and DEN-AN)						
OUTPUT	VOLTAGE[V]		3	5	12	15	24	48
	CURRENT[A]		60	60	27	22	14	7
	LINE REGULATION[mV]		20max	20max	48max	60max	96max	192max
	LOAD REGULATION[mV]		40max	40max	100max	120max	150max	300max
	RIPPLE[mVp-p]	0 to +50℃ *1	80max	80max	120max	120max	120max	150max
		-10 - 0℃ *1	140max	140max	160max	160max	160max	200max
	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	120max	120max	150max	150max	150max	200max
		-10 - 0℃ *1	160max	160max	180max	180max	180max	300max
	TEMPERATURE REGULATION[mV]	0 to +50℃	40max	50max	120max	150max	240max	480max
		-10 to +50℃	50max	60max	150max	180max	290max	580max
	DRIFT[mV]	*2	12max	20max	48max	60max	96max	192max
	START-UP TIME[ms]		500max (ACIN 85V, lo=100%)					
	HOLD-UP TIME[ms]		20typ (lo=100%)					
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.45	± 10%					
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION		4.00 - 5.25V	Works at 115 - 140% of rating				
	OPERATING INDICATION		LED (Green)					
	REMOTE SENSING		Provided					
	REMOTE ON/OFF		Provided					
ISOLATION	INPUT-OUTPUT · RC		AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
	INPUT-FG		AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
	OUTPUT · RC-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)					
	OUTPUT-RC		AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩ min (At Room Temperature)					
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis					
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis					
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, EN60950-1, EN50178, CSA C22.2 No.234 Complies with DEN-AN and IEC60950-1					
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B					
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2					
OTHERS	CASE SIZE/WEIGHT		120 x 92 x 190mm (without terminal block and screw) (W x H x D) /2.2kg max					
	COOLING METHOD		Forced cooling (internal fan)					

*1 According to 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).

*2 Drift is change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.

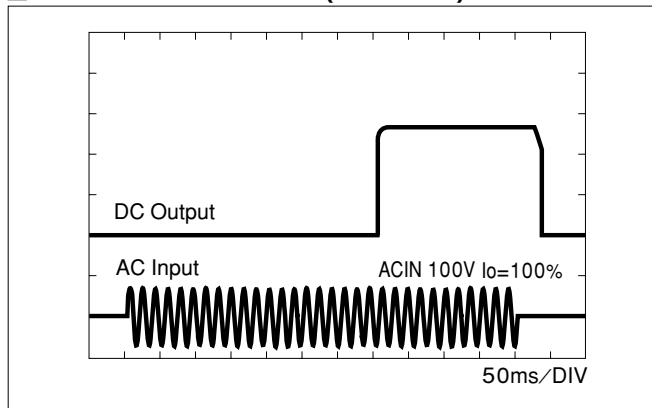
* Avoid prolonged use under over-load.

External view

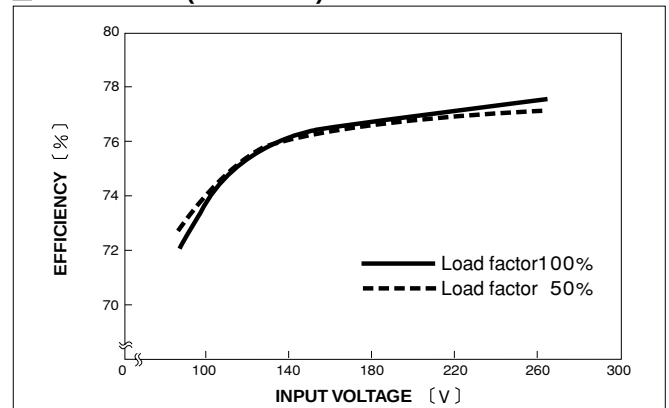


Performance data

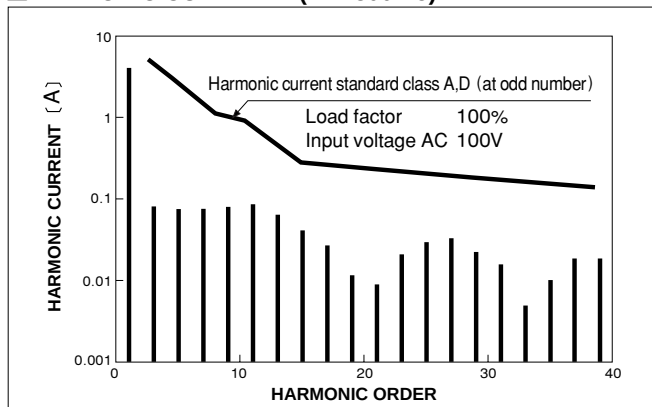
RISE TIME & FALL TIME (PAA300F-5)



EFFICIENCY (PAA300F-5)



HARMONIC CURRENT (PAA300F-5)



INPUT HARMONIC CURRENT (PAA300F-5)

