

## SPECIFICATIONS

	MODEL		ADA600F-24	ADA600F-30	ADA600F-36	ADA600F-48
	VOLTAGE[V]		AC85 - 264 1 ¢ or DC 120 ·	- 350 (AC64 or DC90 optiona	lly available *6)	
	FREQUENCY[Hz]		50/60 (47 - 63) or DC			
INPUT	EFFICIENCY[%]	ACIN 100V	84typ (lo=100%)	86typ (lo=100%)	86typ (lo=100%)	86typ (lo=100%)
			86typ (lo=100%)	87typ (lo=100%)	87typ (lo=100%)	89typ (lo=100%)
			0.99typ (lo=100%)			
	POWER FACTOR	ACIN 200V	71 -			
		ACIN 100V *1				
	INRUSH CURRENT[A]	ACIN 200V *1	4 40typ (lo=100%) (More than 3sec.to re-start)			
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to IEC60950 and DEN-AN) (Io=100%)			
	VOLTAGE[V]		24	30	36	48
OUTPUT	CURRENT[A]	ACIN 100V *2	14 (Peak 25) convection	11 (Peak 20) convection	9 (Peak 16.5) convection	6.5 (Peak 12.5) convection
		ACIN 100V *2	21 (Peak 25) forced air	16.5 (Peak 20) forced air	14 (Peak 16.5) forced air	10.5 (Peak 12.5) forced ai
		ACIN 200V *2	15 (Peak 31) convection	12 (Peak 24.5) convection	10 (Peak 20.5) convection	7 (Peak 15.5) convection
		ACIN 200V *2	25 (Peak 31) forced air	20 (Peak 24.5) forced air	16.5 (Peak 20.5) forced air	12.5 (Peak 15.5) forced ai
	LINE REGULATION[mV]		96max	120max	144max	192max
	LOAD REGULATION	[mV]	150max	180max	240max	300max
	RIPPLE[mVp-p]	0 to +50℃ *3	120max	160max	200max	200max
		-10 - 0°C *3	160max	230max	260max	300max
	RIPPLE NOISE[mVp-p]	0 to +50℃ *3	150max	190max	230max	250max
		-10 - 0°C *3	180max	250max	280max	400max
	TEMPERATURE REGULATION[mV]	0 to +50℃	240max	300max	360max	480max
	DRIFT[mV]	*4	96max	120max	144max	192max
	START-UP TIME[ms]		500max (ACIN 100V, Io=100%)			
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)			
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		21.6 - 27.0	27.0 - 33.0	33.0 - 41.0	41.0 - 52.8
	OUTPUT VOLTAGE SET	TING[V]	23.5 - 24.5	29.0 - 31.0	35.0 - 37.0	47.0 - 49.0
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 101% of peak current and recovers automatically			
	OVERVOLTAGE PROTECTION[V]		31 - 34.5	40 - 48	51 - 60	64 - 76
	OPERATING INDICATION		LED (Green)			
	ALARM OUTPUT		Detecting low input voltage(PF), detecting low output voltage(LV). (Optional : -W, refer to Instruction Manual 5)			
	REMOTE ON/OFF(RC)		Requirement for external source (Option : -R, refer to Instruction Manual 5)			
ISOLATION	INPUT-OUTPUT · RC *5		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature)			
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature)			
	OUTPUT · RC-FG *5		AC500V 1minute, Cutoff current = 100mA, DC500V 50M $\Omega$ min (At Room Temperature)			
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +71°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max			
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max			
	VIBRATION		10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT		196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis			
NOISE	AGENCY APPROVALS		UL60950-1, C-UL(CSA60950-1), EN60950-1, EN60065, EN50178 Complies with DEN-AN and IEC60950-1 (At only AC input			
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B			
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 **			
OTHERS	CASE SIZE/WEIGHT		65×127×195mm [2.56×5×7.68 inches] (W×H×D) (without terminal block) /1.5kg max			
	COOLING METHOD		Convection/Forced air			

Iteration is primary surger the current of input surger to a building limit investiger to a building limit investable to a building limit investiger to a building limit inve

\*2 Peak loading for 10sec.And Duty 35% max.Heter to Instruction Manual 4.Forced air is snow in Instruction Manual 2.3.

\*3 This is the value that measured on measuring board with capacitor of 22 µ F within 150mm from output terminal.Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM101).

- with the input voltage held constant at the rated input/output.
- \*5 Applicable when remote control (optional) is added.\*6 Derating is required.Consult us for details.

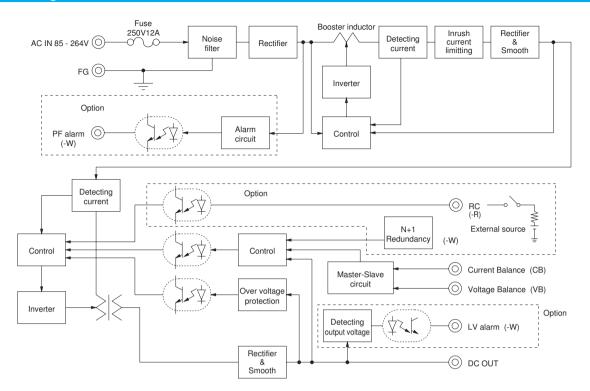
\*7 Please contact us about safety approvals for the model with option.

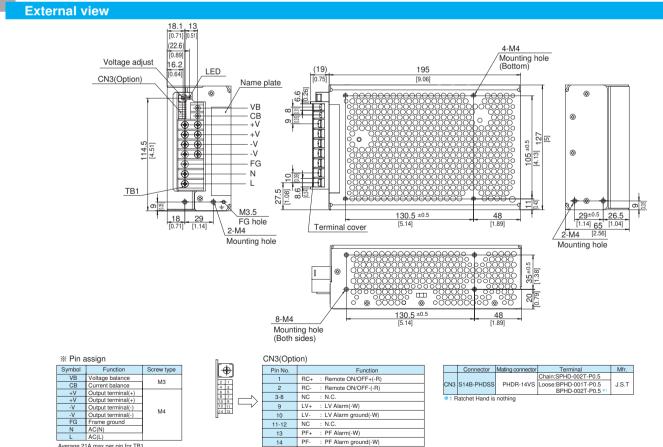
- \*8 Please contact us about salety approvals for the model with 0
- A sound may occur from power supply at pulse loading.

## ADA600F | CO\$EL

ADA

## **Block diagram**





PF-14

: PF Alarm ground(-W)

Average 21A max per pin for TB1

Tolerance : ±1 [±0.04]
Weight : 1.5kg max
PCB material / thickness : FR-4 / 1.6mm [0.06]
Chassis and cover material : aluminium
Dimensions in mm, [ ]= inches
Mounting torque : 1.2N • m(12.8kgf • cm) max
Screw lighting torque
M4 : 1.6N • m(16.8kgf • cm) max, M3 : 0.8N • m(8.5kgf • cm) max
½ 10 terminal for option-J and -T is shown in Instruction Manual 5.