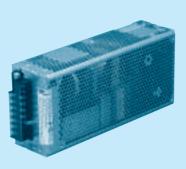
Ordering information

ADA 1000 F -24

ADA1000F

c Sus Live Resistant



- (1)Series name
- 2)Output wattage 3 Universal input
- Output voltage
- SOptional
 G:Low leakage current
 E:Low leakage current and EMI class A
- F:with Fan unit(only -24) T: Vertical terminal block

- J :Connector type C :with Coating R :Remote ON/OFF
- N1:DIN rail
- W:Alarms and Redundant operation

Specification is changed at option,refer to Instruction

Please refer to derating curve, because the rated load current depends on cooling method that is convention cooling or forced air.

SPECIFICATIONS

	MODEL		ADA1000F-24	ADA1000F-30	ADA1000F-36	ADA1000F-48
	VOLTAGE[V]		AC85 - 264 1 φ or DC 120 - 350 (AC70 or DC100 optionally available *6)			
	FREQUENCY[Hz]		50/60 (47 - 63) or DC			
	EFFICIENCY[%]	ACIN 100V	86typ (Io=100%)	86typ (Io=100%)	87typ (Io=100%)	87typ (lo=100%)
		ACIN 200V	88typ (Io=100%)	88typ (Io=100%)	89typ (Io=100%)	89typ (lo=100%)
	POWER FACTOR		0.99typ (lo=100%)			
		ACIN 200V				
	INRUSH CURRENT[A]	ACIN 100V *1	20typ (Io=100%) (More than 3sec.to re-start)			
		ACIN 200V *1	40typ (Io=100%) (More than 3sec.to re-start)			
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to IEC60950 and DEN-AN) (Io=100%)			
ОИТРИТ	VOLTAGE[V]		24	30	36	48
	CURRENT[A]	ACIN 100V *2	21 (Peak 63) convection	16.5 (Peak 50) convection	14 (Peak 42) convection	10.5 (Peak 31.5) convection
		ACIN 100V *2	33 (Peak 63) forced air	26 (Peak 50) forced air	22 (Peak 42) forced air	16.5 (Peak 31.5) forced air
		ACIN 200V *2	25 (Peak 83) convection	20 (Peak 66) convection	16.5 (Peak 55) convection	11.5 (Peak 41.5) convection
		ACIN 200V *2	42 (Peak 83) forced air	33.5 (Peak 66) forced air	28 (Peak 55) forced air	21 (Peak 41.5) forced air
	LINE REGULATION[mV]		96max	120max	144max	192max
	LOAD REGULATION	[mV]	150max	180max	240max	300max
	RIPPLE[mVp-p]	0 to +50°C *3	120max	160max	200max	200max
		-10 - 0℃ *3	160max	230max	260max	300max
	RIPPLE NOISE[mVp-p]	0 to +50°C *3	150max	190max	230max	250max
		-10 - 0℃ *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, lo=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		23.5 - 24.5	29.0 - 31.0	35.0 - 37.0	47 - 49
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION					
	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)			
ENVIRONMENT	INPUT-OUTPUT · RC *5		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)			
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)			
	OUTPUT · RC-FG *5		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)			
	OPERATING TEMP.,HUMID.AND ALTITUDE		3, 4			
	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 ² (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis			
NOISE REGULATIONS	AGENCY APPROVALS		UL60950, C-UL(CSA60950), EN60950, EN50178 Complies with DEN-AN and IEC60950 (At only AC input)			
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B			
			Low Voltage Directive, EMC Directive			
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2			
OTHERS +	CASE SIZE/WEIGHT		75×127×280mm (W×H×D) (without terminal block) /2.5kg max			
	COOLING METHOD		Convection/Forced air			

- *1 The value is primary surge. The current of input surge to a built-in noise filter (0.2ms or less) is excluded.
- *2 Peak loading for 10sec.And Duty 35% max.Refer to Instruction Manual 4.Forced air is shown 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).
- *4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C,
- 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.
- A sound may occur from power supply at pulse loading.