

ADA 1000F

Single / Parallel

1000W

**PFC**

Country of Origin : Japan

Operating Temperature : -10 ~ 71° C

Dimension : 280 x 127 x 75 mm

Approvals / Marks : UL, c-UL, TÜV, CE

Features:

Parallel Function / Master-Slave Operation / N+1 Redundant (Optional) / Alarms (Optional)

Universal input 85 ~ 264VAC with Power Factor Correction

Inrush current limiting / Overload & over voltage protection

Current Monitor / Power On LED / Remote On/Off (Optional) / DIN-Rail fitting (Optional)

5 year warranty

Specification:

MODEL		ADA1000F-24	ADA1000F-30	ADA1000F-36	ADA1000F-48
OUTPUT	Voltage	24V	30V	36V	48V
	Load / (peak) free air	25A / (83A)	20A / (66A)	16.5A / (55A)	11.5A / (41.5A)
	Load / (peak) fan	42A / (83A)	33.5A / (66A)	28A / (55A)	21A / (41.5A)
	Load Regulat. (max)	150mV	180mV	240mV	300mV
	Line Regulat. (max)	96mV	120mV	144mV	192mV
	Ripple & N (0~50°C)	150mV	190mV	230mV	250mV
	Efficiency (200VAC)	88%	88%	89%	89%
Max. Output Power		1000W	1000W	1000W	1000W
Output Voltage adjustment range		21.6 ~ 27V	27 ~ 33V	33 ~ 41V	41 ~ 52.8V
INPUT	Voltage	85 ~ 264VAC / 120 ~ 350VDC Universal full range			
	Frequency	47 ~ 63 Hz			
	Current (peak)	9.5A (18.2A) @ 100VAC and rated load			
	Inrush Current	Primary: <20A @ 100VAC / <40A @ 200VAC			
	Leakage Current	<0.75mA			
	P.F.C. (100V / 200V)	0.99 @ 100VAC / 0.98 @ 200VAC			
PROTECTION	Overload	> 101% of peak current, Shutdown, auto recovery			
	Over Voltage	31 ~ 34.5V	40 ~ 48V	51 ~ 60V	64 ~ 76V
OTHERS	Startup time	500ms @100VAC full load			
	Holdup time	20ms @100VAC full load			
	Cooling	Free air / Forced air with fan (Optional : only 24V model) { add F to model name e.g.: ADA 1000F-24F }			
	Withstand Voltage	I/P-O/P • RC : 3KVAC, I/P-FG : 2KVAC, O/P • RC-FG : 0.5KVAC / 1 minute			
	Isolation Resistance	500VDC / 50M Ohm (at room temperature)			
	Input Fuse	250VAC / 25A			
	Power On LED	Yes (green)			
	Remote On/Off	Optional { add R to model name e.g.: ADA1000F-24R }			
	Redundant Operation	Optional (N+1) { add W to model name e.g.: ADA1000F-24W }			
	Voltage Alarm	Optional (PF: Low Input Voltage & LV: Low Output Voltage) { add W to model name e.g.: ADA1000F-24W }			
DIN- Rail fitting	Optional (with fitting for DIN- Rail) { add N1 to model name e.g.: ADA1000F-24N1 }				
Switching Frequency		130 KHz			
Environment	Temperature	Operating: -10 ~ 71°C / Storage: -20 ~ 75°C / Derating: refer to derating curve			
	Humidity	Operating: 20% ~ 90% RH / Storage: 20% ~ 90% RH (non condensing)			
	Altitude (max)	Operating: 3000m (10000ft.) / Storage: 9000m (30000ft.)			
	Vibration	19.6 m/s ² (2G), 10~55Hz, 3 min. period, 60 min. along each axis (X,Y & Z)			
	Impact	196.1 m/s ² (20G), 11 ms, once per axis (X,Y & Z)			
SAFETY		Approved: UL 60950 / c-UL (CSA60950) / TÜV EN60950 / EN50178			
EMC	EMI	FCC CFR 47 Part 15 Class B / EN 55022-B / EN61204-3 / EN61000-6-2			
	EMS	EN61000-3-2 / EN61000-4-2,3,4,5,6,8,11			
WEIGHT		N.W.: 2.5 kg			