

ACE-828/830

Industrial ATX Power Supply



SPECIFICATIONS



◆ Input Table :

Model	Input Range	Input Current
ACE-828A/830AP	90 ~ 130V AC or 180 ~ 260V AC, 47 ~ 63Hz (Auto-Switch)	
ACE-828C	+18 ~ +32V DC	5A@24V DC
ACE-828T	-40 ~ -72V DC	10A@-48V DC
ACE-828V	+9~+16V DC	50A@+12V DC

◆ Output Table : (at 40°C)

Model	Rated Load						Max Output					
	+5V	+12V	-12V	-5V	+3.3V	+5Vsb	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
ACE-830AP	30A	6A	0.5A	0.5A	10A	1A	35A	10A	1A	1A	20A	1.5A
ACE-828A	25A	10A	0.5A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
ACE-828C	25A	7A	1A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
ACE-828T	25A	7A	1A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
ACE-828V	25A	8A	1A	0.5A	8A	0.72A	30A	8A	1A	1A	22A	0.72A

◆ Ripple and Noise : Less than 50mV@+5V and +3.3V; 100mV@Others

◆ Line Regulation : The line regulation for each outputs are less than 1%

◆ Load Regulation :

Model	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
ACE-830AP	<±1%	<±1%	<±1%	<±1%	<±1%	<±1%
ACE-828A	<±3%	<±5%	<±2%	<±2%	<±2%	<±3%
ACE-828C	<±3%	<±5%	<±2%	<±2%	<±2%	<±1%
ACE-828T	<±3%	<±5%	<±2%	<±2%	<±2%	<±1%
ACE-828V	<±5%	<±5%	<±3%	<±3%	<±3%	<±1%

◆ Output Power : Total combined output power on the +3.3V and +5V rails is 150W

◆ Efficiency : Higher than 65%

◆ Hold-up Time (ACE-828A/830AP) : 20ms (typical)@115V AC

◆ Altitude : 0~10,000ft

◆ Protection :

- Over voltage protection : The trip point is around 5.7V ~ 7.0V output
- Short circuit protection

◆ Vibration : 10 ~ 55Hz at 2G 3min. period, 30 min. along X, Y and Z axis

◆ Impact : 10G for 20ms once on each X, Y and Z axis

◆ Built-in cooling fan

◆ MTBF :

- ACE-828A : 101,379 Hours

- ACE-828C : 121,233 Hours

- ACE-828T : 112,112 Hours

- ACE-828V : 95,620 Hours

◆ Safety : CSA (ACE-830AP,828C/T)

TUV(ACE-828C/T) , meets CE

(ACE-830AP,828C/T/V)

◆ EMI :

- Meets FCC class "B", EN55022 class "B"

- Harmonic EN 61000-3-2 for ACE-830AP

◆ EMS Standard (Designed to meet the

following limits) :

- IEC 801-2 8KV (Air Discharge)

- IEC 801-3, 3V/M criteria A

- IEC 801-4, 2KV criteria B

- IEC 801-5, 2KV criteria B

◆ Operating temperature : -20° ~70°C

(Derating curve will occur 40°~70°C)

◆ Storage temperature : -40° ~75°C

ORDERING INFORMATION

● ACE-830AP

AC input PFC 300W industrial ATX power supply

● ACE-828A

AC input 280W industrial ATX power supply

● ACE-828C

24V DC input industrial ATX power supply

● ACE-828T

48V DC input industrial ATX power supply

● ACE-828V

12V DC input industrial ATX power supply