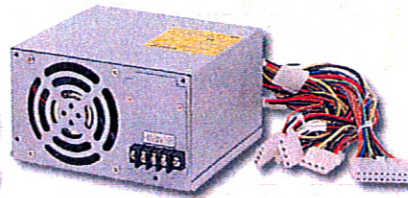
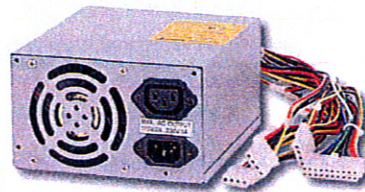
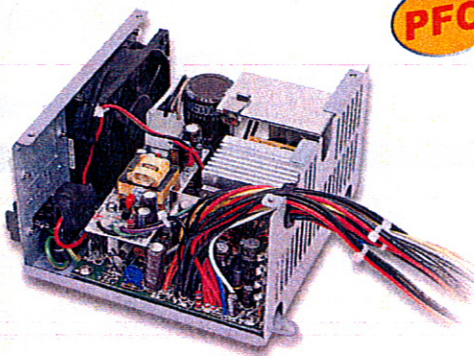


ACE-828/830

Industrial ATX Power Supply

PFC



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