

ACE-828/830

Industrial ATX Power Supply



ACE-830AP



ACE-828A



ACE-828T



ACE-828C



ACE-828V



Specifications

◆ Input Table :

| Model | Input Range | Input Current |
|-----------|---|---------------|
| ACE-830AP | 100~260V AC | |
| ACE-828A | 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 | 15A | 1A | 35A | 10A | 1A | 1A | 20A | 1.5A |
| ACE-828A | 25A | 10A | 0.5A | 0.5A | 8A | 0.72A | 30A | 15A | 1A | 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 | - | - | - | 22A | - |

◆ 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 | <±5% | <±5% | <±5% | <±5% | <±5% | <±5% |
| 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% | <±2% | <±3% | <±3% | <±1% |

◆ Output Power : Total combined output power on the +3.3V and +5V rails is 200W(ACE-830AP)

Total combined output power on the +3.3V and +5V rails is 150W(ACE-828 series)

◆ Efficiency : Higher than 65%

◆ Hold-up Time:16ms (typical)@115V AC (ACE-830AP)

20ms (typical)@115V AC (ACE-828A)

◆ 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-830AP : 96,926 Hours

- ACE-828A : 116,497 Hours

- ACE-828C : 121,233 Hours

- ACE-828T : 112,112 Hours

- ACE-828V : 95,620 Hours

◆ Safety : CSA (ACE-828A/C/T)

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

(ACE-828C/T)

◆ EMI :

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

◆ 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

Single Board Computer

LCD Product Series

Chassis

Power supply

PS/2 type

Other Type

Medical

Redundant

Peripheral