

ACE-890

ACE-709

Industrial 1U Power Supply

Industrial 1U 12V/24V/48VDC Input ATX Power Supply

NEW



ACE-890

PFC



CB-8901

CB-8902

CB-8903



ACE-709

ATX Function



+5Vsb & PS On cable

FEATURES

- High efficiency
- Low Ripple and Noise
- Short circuit , Overload , Over voltage Protected

SPECIFICATIONS

• Input / Output Table : (at 50°C)

Model	Input Voltage	Rated Load			Max Output		
		+5V	+12V	-12V	+5V	+12V	-12V
ACE-890A/890AP	85~264V AC	10A	2.5A	0.5A	12A	4A	1A
ACE-890C	18V~36V DC	10A	2.5A	0.5A	12A	4A	1A
ACE-890P	70V~132V DC	10A	2.5A	0.5A	12A	4A	1A
ACE-890T	36V~72V DC	10A	2.5A	0.5A	12A	4A	1A
ACE-890V	9V~16V DC	9A	2.5A	0.5A	12A	4A	1A

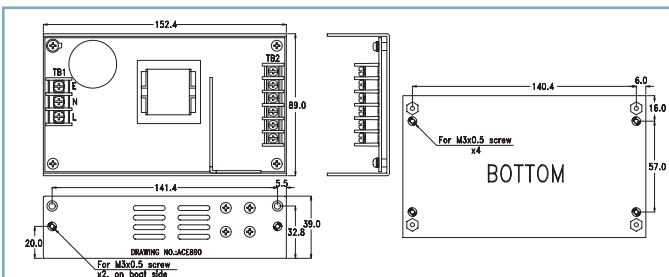
ACE-890AP: min load + 5VDC/ 1.5A, + 12VDC, -12VDC/ 0.05A

- **Ripple and Noise** : Less than +5V@50mV, ±12V@100mV
Less than +5V@100mV, -12V@150mV, -12V@200mV (ACE-890AP)
- **Line Regulation** : The line regulation for each output is less than ±1%, while measuring at rated loading and ±10% of input voltage changing
- **Load Regulation** : Less than ±1%@+5V and ±5%@±12V
- **Efficiency** : Higher than 70%
- **Hold-up Time (ACE-890A/890AP)** : 16ms (typical)@115V AC
- **Protection** : Over voltage protection. The trip point is around 5.7V~7.0V output
- **Operating Temperature** : -20°~70°C (Derating curve will occur 50°~70°C)
- **Storage Temperature** : -20°~85°C
- **Altitude** : 0~10,000ft
- **MTBF** : - ACE-890A : 268,358 Hours - ACE-890P : 265,827 Hours
- ACE-890T : 269,884 Hours - ACE-890C : 252,383 Hours
- ACE-890V : 245,424 Hours. - ACE-890AP : 50,000Hours
- **Safety** : Meets UL 1950, CSA 22.2 No. 234, VDE EN 60 950
- **EMI** : - Meets FCC docket 20780 curve "B", EN55022 "B"
- Harmonic EN 61000-3-2 for ACE-890AP
- **EMS Standard (Designed to meet the following limits)** :
- IEC 801-2 15KV (Air Discharge)
- IEC 801-3, 10V/M
- IEC 801-4, 2KV
- IEC 801-5, 2KV
- **Dimensions** : 89(W) x 39(H) x 152.4(D)mm; (3.5" x 1.5" x 6")

ORDERING INFORMATION

- ACE-890AP** AC input 86W industrial PFC power supply
- ACE-890A** AC input 90W industrial power supply
- ACE-890C** 24V DC input 90W industrial power supply
- ACE-890P** 100V DC input 90W industrial power supply
- ACE-890T** 48V DC input 90W industrial power supply
- ACE-890V** 12V DC input 75W industrial power supply
- CB-8901** DC output cable for backplane (P8/P9 type) and HDD/FDD, 40cm
- CB-8902** DC output cable for CPU card (271-08TS) and HDD/FDD, 40cm
- CB-8903** DC output cable for NOVA series SBC (Molex 26-60-4080) and HDD/FDD, 40cm

DIMENSIONS:



SPECIFICATIONS

• Input Voltage / Input Current:

Model	Input Range	Input Current	MAX Current
ACE-709CX	18VDC~32VDC	6A@+24VDC	8A@+18VDC
ACE-709TX	36VDC~72VDC	3A@ -48VDC	4A@ -6VDC
ACE-709VX	9VDC~16VDC	10A@+12VDC	13A@+9VDC

• Output Rating (at 50°C)

Nominal	Regulation	ACE-709CX		ACE-709TX		ACE-709VX	
		Rated	Max	Rated	Max	Rated	Max
+5V	+/-1%	10A	15A	10A	15A	8A	12A
+12V	+/-5%	2.5A	5A	2.5A	5A	2.5A	4A
-12V	+/-5%	0.5A	1A	0.5A	1A	0.5A	1A
+5Vsb	+/-5%	0.5A	1A	0.5A	1A	0.5A	1A

- **Ripple and Noise**: Less than 1% of each output at rated load
- **Efficiency**: Higher than 75%(ACE-709CX/ACE-709VX)
Higher than 70%(ACE-709TX)
- **Protection**: Over voltage/Load protection and short circuit protection
- **Altitude**: 0~10,000 ft
- **TTL signal compatible power good signal**
- **MTBF**:
- ACE-709CX: 158,117 hours
- ACE-709TX: 170,1210 hours
- ACE-709VX: 162,630 hours
- **Vibration**: 10-55Hz at 2G 3min period 30min along X,Y and axis
- **Shock**: 10G for 11ms once on each X,Y and Z axis
- **Safety**: UL 60950 , CSA C22.2 NO 60950 , EN 60950:2000, CCC
- **EMI**: FCC docket 20780 curve "B" , EN 55022 class "B"
- **EMC**: EN 61000-4-2 4KV contact/Fair discharge criterion B
EN 61000-4-3 10V/M with 80% AM criterion A
EN 61000-4-4 2KV criterion B
EN-61000-4-5 0.5KV criterion B
- **Operating Temp**: 0~70°C
- **Storage Temp**: -20~85°C
- **Dimensions**: 89(W)x39(H)x152.4(D)mm

ORDERING INFORMATION

- ACE-709CX** 90W 24V DC input ATX Power Supply
- ACE-709TX** 90W 48V DC input ATX Power Supply
- ACE-709VX** 80W 12V DC input ATX Power Supply

DIMENSIONS:

