

# ACE-870/865 ACE-855/845

AC/DC Input Compact Size 70W Power Supply

AC/DC Input LCD Panel PC 55W Power Supply



## SPECIFICATIONS

### Input Table :

Model	Input Range	Input Current
ACE-870A/870AP	85~264V AC, 47~63Hz	1.5A@115V AC or 0.8A@230V AC
ACE-870T	+36 ~ +72V DC	4A@+48V DC
ACE-870C	+18 ~ +36V DC	6A@+24V DC
ACE-865V	+8 ~ +16V DC	12A@+12V DC

### Output Table: (at 50°C)

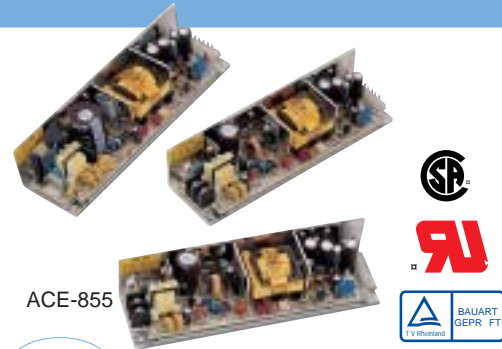
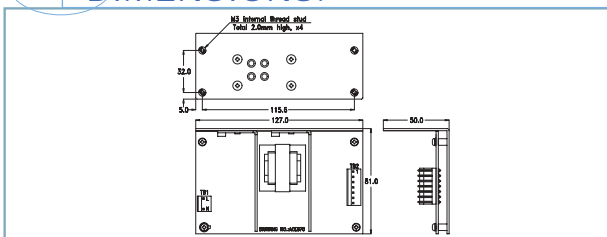
Model	Rated Load				Max. Output			
	+5V	+12V	-5V	-12V	+5V	+12V	-5V	-12V
ACE-870A/870AP	7A	2.5A	0.3A	0.3A	10A	4A	0.5A	0.5A
ACE-870T	7A	2.5A	0.3A	0.5A				
ACE-870C	7A	2.5A	0.3A	0.5A	4A	0.3A	0.5A	
ACE-865V	6A	2A	0.3A	0.5A	4A	0.3A	0.5A	

- **Ripple and Noise** : Less than 50mV@+5V; 100mV@Others
- **Line Regulation** : The line regulation for each outputs are less than -1%@+5V; -2%@+12V; -3%@-5V & -12V
- **Load Regulation** : Less than -3%@+5V & +12V, -5%@-5V & -12V
- **Efficiency** : Higher than 70%
- **Hold-up Time (ACE-870A/870AP)** : 16ms (typical)@115V AC
- **Altitude** : 0 ~ 10,000ft
- **Protection** : Over voltage protection. The trip point is around 5.7V ~ 7.0V output
- **MTBF** :
  - ACE-870A : 296,831 Hours
  - ACE-870T : 277,126 Hours
  - ACE-870C : 276,238 Hours
  - ACE-865V : 246,485 Hours
- **Safety** : Meets UL 1950; CSA 22.2 No. 234, VDE EN 60950
- **EMI** :
  - ACE-870A/870AP : Meets FCC docket 20780 curve "B"
  - ACE-870AP : Harmonic EN 61000-3-2
- **Operating Temperature** : 0° ~ 50°C
- **Storage Temperature** : -20° ~ 85°C
- **Dimensions** : 81(W) x 50(H) x 127(D)mm; (3.2" x 2" x 5")

## ORDERING INFORMATION

- ACE-870AP** AC input compact size PFC power supply
- ACE-870A** AC input compact size power supply
- ACE-870T** +48V DC input compact size power supply
- ACE-870C** +24V DC input compact size power supply
- ACE-865V** +12V DC input compact size power supply
- CB-870A** DC Cable set for ACE-870 power to backplane with P8/P9 connector, 40cm
- CB-870B** DC Cable set for ACE-870 power to CPU card with 8-pin connector, 40cm
- CB-870C** DC Cable set for ACE-870 power to CPU card with 8-pin & P8/P9 connector, 40cm
- CB-870D** ACE-870A/870AP AC input cable kit, 60cm

## DIMENSIONS:



## SPECIFICATIONS

### Input Table :

Model	Input Voltage	Input Current
ACE-855A	85 ~ 264V AC, 47 ~ 63Hz	2A@115V AC or 1A@230V AC
ACE-855C	+16 ~ +32V DC	9A@+16V DC
ACE-845V	+9.5 ~ +18V DC	10A@+9.5V DC

### Output Table: (at 50°C)

Model	Rated Load		Max. Output	
	+5V	+12V	+5V	+12V
ACE-855A	8A	1.2A	10A	4A
ACE-855C	8A	1.2A	10A	4A
ACE-845V	8A	1.1A	8A	2A

- **Inrush Current (ACE-855A)** : Not exceed 115V@30A AC or 230V AC@60A
- **Ripple and Noise** : Less than 1% of output voltage
- **Line Regulation** : The line regulation for each outputs are less than -1%, while measuring at rated loading and -10% of input voltage changing
- **Load Regulation** : Less than -3%@+5V, -5%@+12V
- **Efficiency** : Higher than 70%
- **Hold-up Time (ACE-855A)** : 16ms (typical)@115V AC
- **Altitude** : 0 ~ 10,000ft
- **Protection** : Over voltage protection. The trip point is around 5.7V ~ 7.0V output
- **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
- **MTBF** :
  - ACE-855A : 335,874 Hours
  - ACE-855C : 327,482 Hours
  - ACE-845V : 339,662 Hours
- **Safety** : Meets UL 1950; CSA 22.2 No. 234, VDE EN 60950
- **EMI** : Meets FCC docket 20780 curve "B", EN50081-2 : CISPR curve "B"
- **EMS Standard (Designed to meet the following limits)** :
  - EN 50082-2
  - IEC 801-2 8KV (Air Discharge) criteria B
  - IEC 801-3, 10V/M criteria B
  - IEC 801-4, 2KV criteria B
  - IEC 801-5, 2KV criteria B
- **Operating Temperature** : -20° ~ 70° C (Derating curve will occur 50° ~ 70° C)
- **Storage Temperature** : -20° ~ 85° C
- **Dimensions** : 50.5(W) x 37(H) x 177.5(D)mm; (2" x 1.5" x 7")

## DIMENSIONS:

