

# ACE-R30A/R30AP230V

300W ATX Redundant Power Supply

PFC Version available

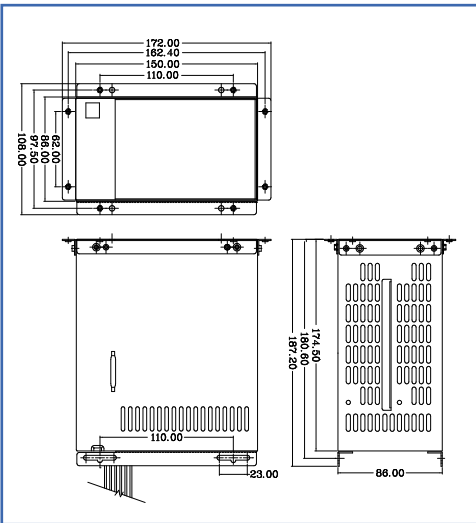


## SPECIFICATIONS

- ◆ Input: 90~132V or 180~264V AC switch select (ACE-R30A) 180~264 VAC (ACE-R30AP230V)
- ◆ Output Rating :

Output	Nominal	Regulation	Ripple/Noise	Min.	Max.
1	+3.3V	±5%	100mV	0.5A	15A
2	+5V	±5%	100mV	2.5A	35A
3	+12V	±5%	200mV	0.5A	15A
4	-5V	±5%	200mV	0A	0.5A
5	-12V	±10%	240mV	0A	0.8A
6	+5Vsb	±5%	100mV	0A	1.5A

## Dimensions



Total Output of +3.3V and +5V shall not exceed 175W, the power supply's max. output power is 300W.



- ◆ Hold-up time : 16ms min.
- ◆ Efficiency : 70% typ.
- ◆ Protection : Over Voltage/Temp. Protection and Short Circuit Protection
- ◆ TTL signal compatible power good signal
- ◆ Vibration : 10-55Hz at 2G 3min. period, 30 min. along X, Y and Z axis.
- ◆ Shock : 10G for 11ms once on each X, Y and Z axis.
- ◆ Built-in cooling fan
- ◆ MTBF : min. 50,000hrs
- ◆ Safety : UL 1950, TUV(ACE-R30AP230V) meets CE(ACE-R30AP230V)
- ◆ EMI : Meets FCC class "B", EN55022 class "B"
- ◆ Operating temperature. : 0~50°C

## ORDERING INFORMATION

- ACE-R30A 300W ATX Redundant Power Supply Includes two ACE-R30A-1
- ACE-R30A-1 300W ATX Redundant Power Module
- ACE-R30AP230V 300W/230VAC input ATX Redundant Power with PFC function Includes two ACE-R30AP230V-1
- ACE-R30AP230V-1 300W/230VAC input ATX Redundant Power Module with PFC function

# ACE-C232

PS/2 Size 230W Redundant Power Supply



## SPECIFICATIONS



### Power Fault Warning:

In case one power module failed, the buzzer and LED will act. After pushing reset button, the buzzer stops and the LED still light until the failed power module is fixed.

### ACE-R23A 230W Redundant Power Module

- ◆ Input : 90V to 130V AC or 180V to 260V AC selectable,
- ◆ Output (Max. Output Power 230W at 30°C)

Output	Min. Load	Rated Load	Max. Load	Voltage Accessory
+5V	4.0A	20A	25A	4.80V to 5.20V
+12V	1.0A	10A	12A	11.4V to 12.9V
-12V	0.1A	0.5A	1A	-11.30V to -12.60V
-5V	0.1A	0.5A	1A	-4.65V to -5.25V

- ◆ Ripple and Noise: The peak to peak ripple and noise for +5V output is less than 50mV, for +/-12V and -5V output is less than 100mV.
- ◆ Line Regulation: The line regulation for each output is less +/-1% while measuring at rated load and +/-10% or 115VAC or 230VAC input voltage changing.
- ◆ Load Regulation: The output voltage load regulation is less than the following value by changing each output and +/-40% from 60% rated load, and keep all other outputs at 60% rated load. +5V: +/-4% +12V: +/-5% -12V: +/-2% -5V: +/-2%
- ◆ Hold Up Time: >16ms
- ◆ Power Good Signal: Go high 100ms to 500ms after all output DC Voltages are within regulation limits.
- ◆ Efficiency: 70% typical
- ◆ Output protection: Over Voltage Protection and Short Protection
- ◆ Operating temperature : 0 ~ 50°C (derating about 20% form 30oC to 50oC)
- ◆ Storage temperature : -40 ~ 85°C
- ◆ Cooling: Cooling with a 42CFM forced air
- ◆ MTBF: 176,530Hrs
- ◆ Safety Standards: CSA22.2 No. 234;
- ◆ EMI Standard: ECC docket 20780 curve "B" ; EN55022 class "B"
- ◆ Connectors: DIN 41612 C96
- ◆ Pin Assignment:

Pin 1	AC L	Pin 11, 12, 13	+12V
4	AC N	11~25	GND
9	-5V	26~31	+5V
10	-12V	32	Power Good