

PFC Single & Multi Output

ACJ200 *SERIES*

200 Watts



CE Marked LVD

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Universal Input

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Power Factor Corrected

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Optional Fan & Cover

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Power Fail Signal

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Single & Multi Outputs

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Configurable 4th Output

Specification

(All specifications are typical at 25 °C, nominal line & 75% load)

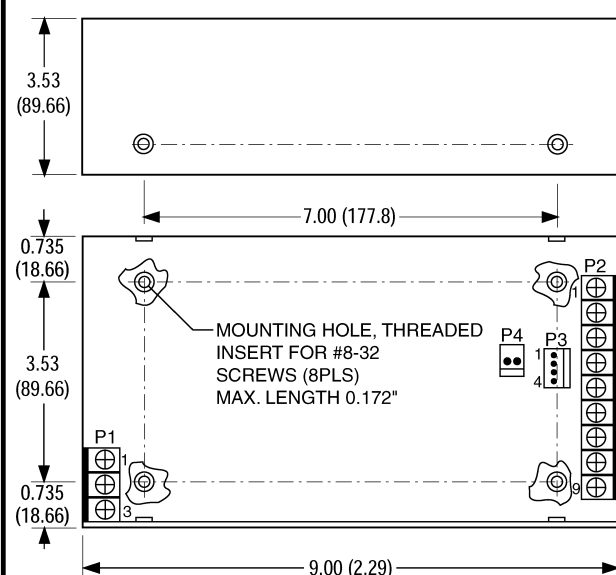
Input Voltage	• 90-264 VAC
Input Frequency	• 47 to 63 Hz
Inrush Current	• 20 A @ 115 V AC or 40 A @ 230 V AC
Power Factor	• 0.98 typical
Output Voltage	• See Table (accuracy $\pm 2\%$ output 1, $\pm 4\%$ others)
Output Voltage Adjustment	• $\pm 10\%$ output 1
Hold-up Time	• 12 msec typical
Line Regulation	• $\pm 5\%$ max
Output Ripple & Noise	• 2% pk-pk max
Transient Response	• $< 4\%$ deviation for 25 % load change, recovery $< 500 \mu s$
Overvoltage Protection	• Output 1 112-132% of nominal
Overcurrent Protection	• Provided
Efficiency	• 70% main
Operating Temperature	• 0 °C to +70 °C (derate linearly to 50% @ 70 °C)
Storage Temperature	• -40 °C to +85 °C
Temperature Coefficient	• 0.04%/°C
Switching Frequency	• 76 KHz ± 8 KHz
EMC	• CISPR 22 (EN55022) level B, FCC 20780 class B
Safety requirements	• UL1950, CSA C22.2 No. 950, IEC950 (EN60950)
MTBF	• 300,000 hrs MIL-HDBK-217F

Output Voltage & Current Ratings

Output 1			Output 2			Output 3			Output 4			Model Number
Voltage Nom	Current		Voltage Nom	Current		Voltage Nom	Current		Voltage Nom	Current		
	Min	Max		Min	Max		Min	Max		Min	Max	
5 V	3.0 A	40.0 A										ACJ200PS05
12 V	1.2 A	16.7 A										ACJ200PS12
15 V	1.0 A	13.4 A										ACJ200PS15
24 V	0.6 A	8.4 A										ACJ200PS24
30 V	0.5 A	6.7 A										ACJ200PS30
40 V	0.5 A	4.2 A										ACJ200PS48
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A							ACJ200PM23
+5 V	3.0 A	30.0 A	+15 V	0.0 A	6.0 A							ACJ200PM24
+5 V	3.0 A	30.0 A	+24 V	0.0 A	4.0 A							ACJ200PM25
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-5 V	0.0 A	6.0 A				ACJ200PM30
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-12 V	0.0 A	4.0 A				ACJ200PM31
+5 V	3.0 A	30.0 A	+15 V	0.0 A	6.0 A	-15 V	0.0 A	4.0 A				ACJ200PM32
+5 V	3.0 A	30.0 A	+15 V	0.0 A	6.0 A	-12 V	0.0 A	4.0 A				ACJ200PM33
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-12 V	0.0 A	4.0 A	F5 V	0.0 A	6.0 A	ACJ200PM40
+5 V	3.0 A	30.0 A	+15 V	0.0 A	6.0 A	-15 V	0.0 A	4.0 A	F24 V	0.0 A	4.0 A	ACJ200PM41
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-12 V	0.0 A	4.0 A	F12 V	0.0 A	4.0 A	ACJ200PM42
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-15 V	0.0 A	4.0 A	F15 V	0.0 A	4.0 A	ACJ200PM44
+5 V	3.0 A	30.0 A	+12 V	0.0 A	8.0 A	-12 V	0.0 A	4.0 A	F24 V	0.0 A	4.0 A	ACJ200PM45

NOTES:

1. Add suffix 'B' for U-bracket or 'C' for enclosed.
2. Peak current is 12 A on +12 V, 9 A on +15 V and 6 A on + 24 V.
3. Floating output, can be connected externally for positive or negative output.
4. 200 W for 'C' version with a cover and fan assembly. 150 W for 'B' version without moving air (max current of outputs 1 & 2 derated to 70%) or 200 W with 75 CFM forced air provided by user.

Mechanical Details

NOTES:

1. Dimensions in inches (mm).
2. Tolerance 0.02 (0.5) max.
3. Input connector P1 is Beau Inc. part no. 72-5-03C with #6-32 screws.
4. Main output studs HS7 and HS8 use M5 x 0.8 screws.
5. P3 (single output), P5 (multi output) mates with Molex housing 22-01-1043 and Molex 40455 series crimp terminals.
6. Single output models P2 (2 pin) is for DC fan rated 24 V/0.12 A (models ACJ200PS24, ACJ200PS30 & ACJ200PM23) or 12 V/0.22 A for other models.
8. Weight: 1.4 Kgs approx. for B version, 1.75 Kgs approx. for C version.

- P1
- 1 - Line
 - 2 - Neutral
 - 3 - Ground

Pin Connections

Model Number	P2						P3			
	1,2	3,4,5	6	7	8	9	1	2	3	4
ACJ200PSXX	- Sense	Com Rtn	Output 1	Output 1	Output 1	+ Sense	P.F.D	Com Rtn	Com Rtn	Fan
ACJ200PM23										
ACJ200PM24	Output 1	Com Rtn	Output 2	N/C	N/C	N/C	P.F.D	Com Rtn	Com Rtn	Fan
ACJ200PM25										
ACJ200PM30										
ACJ200PM31	Output 1	Com Rtn	Output 2	Output 3	N/C	N/C	P.F.D	Com Rtn	Com Rtn	Fan
ACJ200PM32										
ACJ200PM33										
ACJ200PM40										
ACJ200PM41										
ACJ200PM42	Output 1	Com Rtn	Output 2	Output 3	Output 4	Output 4	P.F.D	Com Rtn	Com Rtn	Fan
ACJ200PM44										
ACJ200PM45										