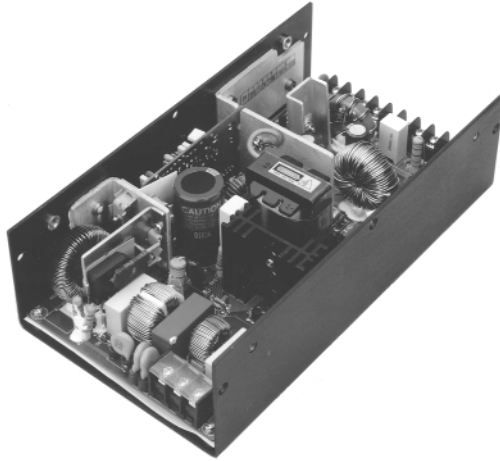


AC/DC U-Channel

200 Watts IFC200 Series

XPiQ inc.

Intelligent Design Quality Product



- CE Marked LVD
- Universal Input
- Power Factor Corrected
- Optional Fan & Cover
- Power Fail Signal
- Single & Multi Outputs
- Floating 4th Output
- EN61000-3-2 -3 Compliant

Specification

Input

- Input Voltage* • 90-264 VAC
- Input Frequency* • 47 to 63 Hz
- Inrush Current* • 20 A at 115 VAC or 40 A at 230 VAC
- Power Factor* • >0.95 typical

Output

- Output Voltage* • See Table (accuracy $\pm 2\%$ output 1, $\pm 4\%$ others)
- Hold up Time* • 12 msec min at 110 VAC
- Line Regulation* • $\pm 0.5\%$ max
- Ripple & Noise* • 2% pk-pk max
- Transient Response* • <4% deviation for 25% load change, recovery <500 μ s

General

- Overvoltage Protection* • Output 1 only 112-132% of nominal
- Overcurrent Protection* • All outputs protected to short circuit conditions
- Efficiency* • 70% min

Environmental

- Operating Temperature* • 0°C to +70°C (derate linearly from 100% at 50°C to 50% at 70°C)
- Storage Temperature* • -40°C to +85°C
- Temperature Coefficient* • 0.04%/°C
- MTBF* • 300,000 hrs MIL-HDBK-217F

Safety and EMC

- Safety Approvals* • UL1950, CSA C22.2 No. 950, IEC950 (EN60950)
- EMC* • CISPR 22 (EN55022) level B, FCC 20780 class B, EN61000-3-2, -3 compliant

OUTPUT VOLTAGE & CURRENT RATINGS																IFC200
Output #1				Output #2				Output #3				Output #4				Model Number
Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	
5 V	3.0 A	40.0 A	2%													IFC200-10
12 V	1.2 A	16.7 A	2%													IFC200-12
15 V	1.0 A	13.4 A	2%													IFC200-13
24 V	0.6 A	8.4 A	2%													IFC200-14
30 V	0.5 A	6.7 A	2%													IFC200-16
48 V	0.5 A	4.2 A	2%													IFC200-18
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%									IFC200-23
+5 V	3.0 A	30.0 A	2%	+15 V	0 A	6 A	4%									IFC200-24
+5 V	3.0 A	30.0 A	2%	+24 V	0 A	4 A	4%									IFC200-25
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-5 V	0 A	6 A	4%					IFC200-30
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-12 V	0 A	4 A	4%					IFC200-31
+5 V	3.0 A	30.0 A	2%	+15 V	0 A	6 A	4%	-15 V	0 A	4 A	4%					IFC200-32
+5 V	3.0 A	30.0 A	2%	+15 V	0 A	6 A	4%	-12 V	0 A	4 A	4%					IFC200-33
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-12 V	0 A	4 A	4%	F 5 V	0 A	6 A	4%	IFC200-40
+5 V	3.0 A	30.0 A	2%	+15 V	0 A	6 A	4%	-15 V	0 A	4 A	4%	F 24 V	0 A	4 A	4%	IFC200-41
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-12 V	0 A	4 A	4%	F 12 V	0 A	4 A	4%	IFC200-42
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-15 V	0 A	4 A	4%	F 15 V	0 A	4 A	4%	IFC200-44
+5 V	3.0 A	30.0 A	2%	+12 V	0 A	8 A	4%	-12 V	0 A	4 A	4%	F 24 V	0 A	4 A	4%	IFC200-45

Notes

1. Add suffix "B" for U-bracket or "C" for enclosed i.e. IFC200-45C.
2. On Output #2 peak current is 12A on +12V, 9A on +15 V and 6A on +24V.
3. Output #4 is floating. It can be connected externally for positive or negative output.
4. 200 watts for "C" version with a cover-and-fan assembly. 150 watts for "B" version without moving air (maximum current of output #1 & #2 derated to 70%), or 200 watts with 25 CFM forced air provided by user.

Pin Chart

Model	PIN	P2						P3			
		1, 2	3, 4, 5	6	7	8	9	1	2	3	4
IFC200-10, IFC200-12 IFC200-13, IFC200-14 IFC200-16, IFC200-18		-SENSE	COM. RET.	OUTPUT #1	OUTPUT #1	OUTPUT #1	+SENSE	P.F.D.	COM. RET.	COM. RET.	FAN
IFC200-23, IFC200-24 IFC200-25		OUTPUT #1	COM. RET.	OUTPUT #2	N.C.	N.C.	N. C.	P.F.D.	COM. RET.	COM. RET.	FAN
IFC200-30, IFC200-31 IFC200-32, IFC200-33		OUTPUT #1	COM. RET.	OUTPUT #2	OUTPUT #3	N.C.	N.C.	P.F.D.	COM. RET.	COM. RET.	FAN
IFC200-40, IFC200-41 IFC200-42, IFC200-44 IFC200-45		OUTPUT #1	COM. RET.	OUTPUT #2	OUTPUT #3	OUTPUT #4 RETURN	OUTPUT #4	P.F.D.	COM. RET.	COM. RET.	FAN

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 mates with Molex housing 22-01-1043 and Molex 40455 series crimp terminals.
6. P4 for DC fan rated 24V/0.12A for models IFC200-14, IFC200-16, IFC200-25) or 12V/0.22A for other models.
7. Weight: 1.25 Kgs approx. for B version, 1.5 Kgs approx. for C version.
8. P2 Connector is Beau 72-5-09C with 0.375" centers

P1
 1 - Line
 2 - Neutral
 3 - Ground

