

3000

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Intelligent Design Quality Product

Hot Swap N + 1 Redundant

Single Phase or Three Phase Input

Power Factor Correction

Overvoltage, Overcurrent and Thermal Protection

Visual LED Indicators

19" 3U High Rack Available

International Safety Approvals

Input Voltage	• 180-264 VAC	Current Limit Protection	• 110-140% V1, 5VSB <2.5 A latches off after 2 seconds
Input Frequency	• 47-63 Hz	Overtemperature Protection	• Shutdown at +95 °C with auto reset
Inrush Current	• 50 A max		
Input Current	• 20 A at 180 VAC full load single phase, 11 A/phase at 180 VAC full load 3 phase	Efficiency	• 89% typical at 230 VAC
Remote On/Off	• On = TTL high or open, Off = TTL low	Power Factor	• 0.99 for 1 phase input, 0.95 for 3 phase input
Input Fusing	• 25 A internal for 1 phase, 15 A for 3 phase	MTBF	• 300,000 hrs per Bellcore-std
Transient Protection	• MOV and Gas Tube	LED Indicators	• DC Good: Green LED; Temperature OK Green LED; and AC Good: Amber LED
Output Voltage	• +48 VDC nominal	Size	• 5.0" x 5.0" x 12.12" not including handle
Output Power Good	• TTL high = power good TTL low = output out of limits	Weight	• 10.75 pounds
Minimum Load	• No minimum load required	Operating Temperature	• 0 °C to +50 °C, derate linearly 2.2%/°C to +65 °C
Output Voltage Range	• +43.2 to +52.8 VDC via trim pot	Cooling	• Internal ball bearing fan
Margining	• High: +51.75 to +53.85 VDC Low: +42.35 to 44.15 VDC	Shock & Vibration	• MIL STD-810F NEBS Compliant to Bellcore GR 63 Core
Line/Load Regulation	• ±0.5% using remote sense, ±5% for 5 V stand by		
Ripple & Noise	• 480 mV pk-pk maximum		
Transient Response	• 3% max deviation 0.50ms μ s recovery time for a 25% load change		
Start-up Time	• 2 seconds max		
Hold Up Time	• >16 ms at 230 VAC minimum		
Output Rise Time	• 250 ms		
Overshoot/Undershoot	• 1% at turn on/off		
Temperature Coefficient	• 0.02%/°C		
Overvoltage Protection	• +55 to +63 VDC Reset by cycling input power		



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(A)

538-17-00100

Bus Bar	Function
BB2	V1
BB3	RTN

Connector No.	Single Phase		Three Phase	
	Pin No.	Function	Pin No.	Function
J1	1,4	Chassis Ground	1	Line 1
J1	2,5	Line (L)	2	Line 2
J1	3,6	Neutral	3	Line 3
			4	Chassis Ground

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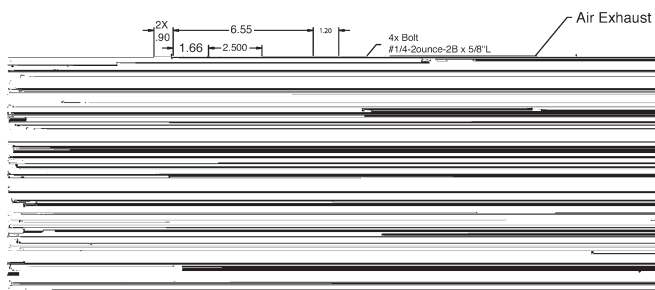
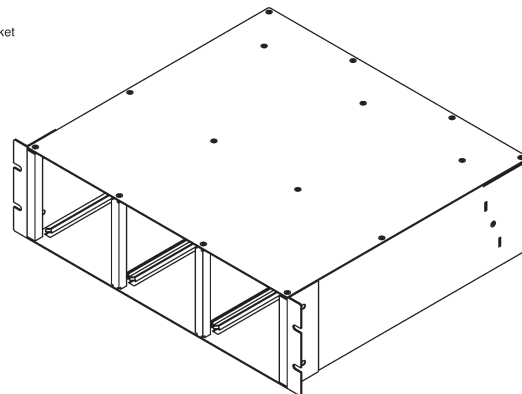
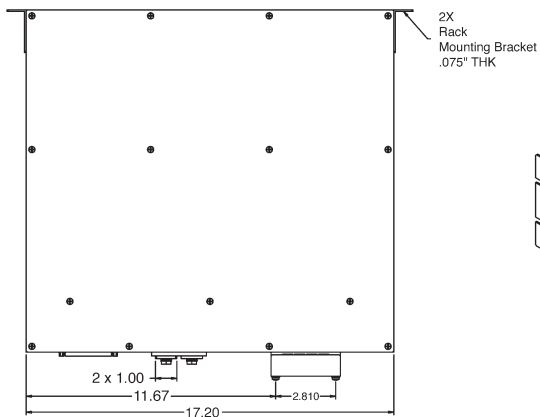
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205205-3

205090-1

Connector No.	Pin No.	Function
J209	1	5 vbs
J209	2	5 vsb rtn
J209	3	Module Present
J209	4	PGood
J209	5	On/Off
J209	6	I share
J209	7	Mod-Ena
J209	8	OVP test point
J209	9	Ac fail
J209	10	Margin 1
J209	11	V1 Sense
J209	12	Not Used
J209	13	Temp. Ok
J209	14	RS (Return Sense)
J209	15	N/C

CFP3K-1U3R-FE - Single Phase Input
CFP3K-3U3R-FE- 3 Phase Input Rack



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Connector No.	Pin No.	Function
J4	1	5vsbrtn
J4	2	Temp.Ok1
J4	3	PGood1
J4	4	ACFail
J4	5	Present 1
J4	6	On/Off1
J4	7	5vsbrtn
J4	8	Temp.Ok2
J4	9	PGood2
J4	10	ACFail2
J4	11	Present2
J4	12	On/Off2
J4	13	5vsbrtn
J4	14	Temp.Ok3
J4	15	PGood3
J4	16	ACFail3
J4	17	Present3
J4	18	On/Off3
J4	19	N/U
J4	20	N/U
J4	21	N/U
J4	22	N/U
J4	23	N/U
J4	24	N/U
J4	25	V1 Sen+
J4	26	Sen -
J4	27	Margin 1
J4	28	Margin 2
J4	29	N/U
J4	30	I-Share
J4	31	RTN
J4	32	N/U
J4	33	5vsbrtn
J4	34	5vsbrtn
J4	35	5Vsb
J4	36	5Vsb
J4	37	N/U

- A 3 -1 3 -

Connector No.	Pin No.	Function
J1	1	Chassis Ground
J1	2	Line (L)
J1	3	Neutral (N)

- A 3 -3 3 -

Connector No.	Pin No.	Function
J1	1	Phase 1
J1	2	Phase 2
J1	3	Phase 3
J1	4	Chassis Ground

