



Picture similar to product

- 3U / 8HP Compact PCI-Serial
- Wide operating temperature -40 to +70°C
- IEC61000-3-2 harmonic correction
- N+1 redundancy, hot-swappable active current sharing
- 80+ gold efficiency
- PMBus communication
- Fully compliant with PICMG

Schroff order no: 13100-147

Specification

Input

Input Voltage	Typical 90-264VAC
Input Frequency	47-63Hz
Input Current	Typical 3A at 115VAC Typical 1.5A at 230VAC
Inrush Current	5.3Arms at 230VAC
Power Factor	Typical 0.98-0.99
Input Connector	FCI 51939-667LF
Earth Leakage Current	Less than 0.7mA at 230VAC

Output

Output Connector	FCI 51939-667LF
Line Regulation	Typical 1%
Load Regulation	V1 typical ±1%, V2 typical ±5%
Total Regulation	V1 typical ±2%, V2 typical ±5%
Noise & Ripple	Typical 1% peak to peak
Remote Sense	Available for V1
Adjustability	Available for V1
Hold-up Time	18mS at 115 & 230VAC
Current Sharing	Active current sharing at V1

Protection

Over Voltage	Built-in
Over Current	Installed
Over Load	Typical 120-130% peak current at 115VAC
Over Temperature	Installed NTC and thermostat for thermal sensor at [DEG#] pin

General

Efficiency	Typical 90% at 230VAC
Switching Frequency	85-100KHz
Dielectric Withstand	IEC60950-1 regulation
Transient Response	Peak transient less than 134mV and recovers within 0.5mS after 25% load-change
Remote ON/OFF	Available
Power Fail Signal	Available at [FAL#] pin
DC OK	Available for V1 & +5Vsb(V2)
Status LED	<Green> means valid input voltage <Red> means a critical fault <Green> means DC OK
N+1 Redundancy	Internal OR-ing diodes
Hot-Swappable	Available
Power Density	5.7 Watts/Cubic Inch
PMBus interface	Available

Environmental

Operating Temperature	-40°C to +70°C derate linearly (see note 3) (Refer to derating curve)
Storage Temperature	-45°C to +85 °C
Cooling	200 LFM moving air
Safety/EMC	
Emissions (conducted)	EN55032, FCC Class B
Harmonic Current	IEC61000-3-2
Safety Standard	IEC60950-1 Class I

Notes:

- (1) All measurement are at nominal input, full load and +25°C unless otherwise specifications.
- (2) Due to requests in market and advances in technology, specifications subject to change without notification.
- (3) A warm-up time 10 minutes is required after cold start at temperature from -40°C to +0°C.
- (4) Tantalum capacitors connected to system is suggested for bettering Ripple & Noise against operating temperature from -40°C to +0°C.
- (5) 125°C OS-CON Long-life Solid capacitors are installed in secondary circuits.

Output voltage & current rating chart

Dual output

Model No.	V1★@≡⊙					STANDBY V2★⊙				
	Min.	Typ.	Volt.	Max.	Peak	Min.	Typ.	Volt.	Max	Peak
CPCI-SERIAL AC 300W CC	0A	25A	12V	25A	28A	0A	2.5A	5V	2.5A	3A

Symbol: "★" OVP built-in. "@" Adjustable. "#" Remote sensing. "≡" Active Load Sharing. "⊙" Installed with Or-ing diode.

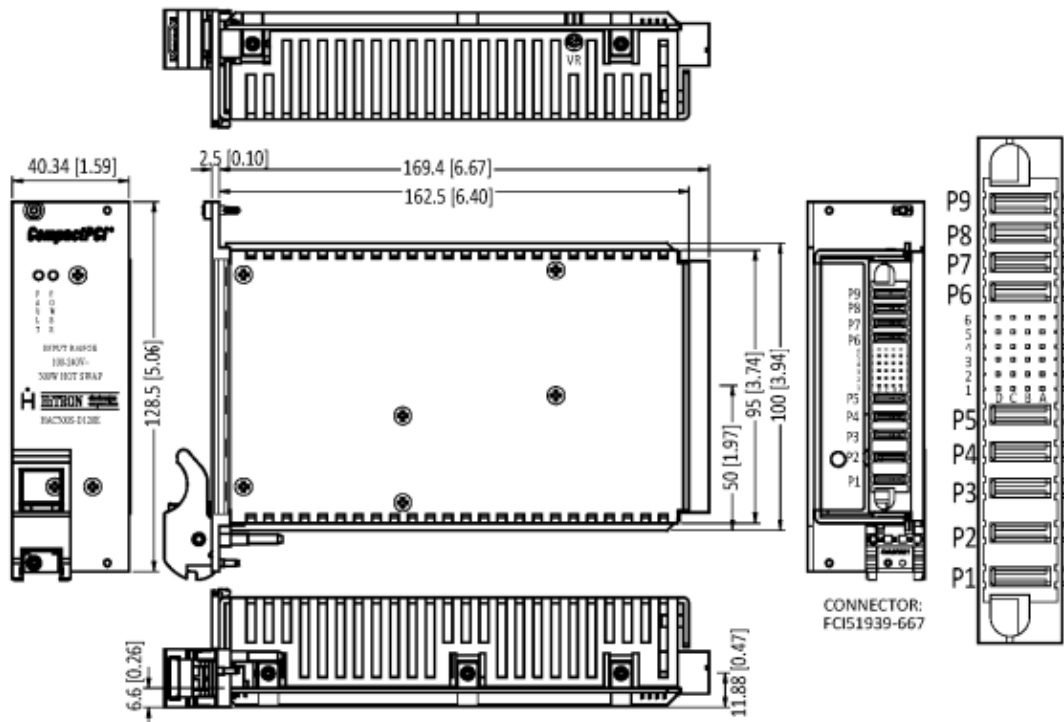
Notes: (1) Peak load less than 60sec. with duty cycle <10%.

(2) Maximum load is the continuous operating load of each rail, but the maximum load of each rail can't be drawn from all outputs at the same time.

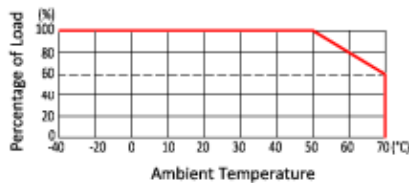
(3) Please consult the factory if you have the special min load request of V1.

Mechanical Dimensions (All dimensions are in mm[inch])

Weight: 710.0 g (25.1 Oz.)



Derating Chart



Pin Assignment

P1	P2	P3	P4	P5	D1	D2	D3	D4	D5	D6	P6	P7	P8	P9
L	N	G	N/A	N/A	N/A	FAL	PS_P	COM	DEG	5Vsb	COM	COM	V1	V1
					C1	C2	C3	C4	C5	C6				
					N/A	ALERT	COM	A0	N/A	5Vsb				
					B1	B2	B3	B4	B5	B6				
					N/A	12VCS	PSON	A1	SCL	COM				
					A1	A2	A3	A4	A5	A6				
N/A	-VS	+VS	A2	SDA	EN									

Notes: The mating connector is FCI 51940-350LF.