



FEATURES

- 3Ux4HP Package
- 180/225W Power at 0-50°C
- PICMG 2.11 Compliant
- RoHS Compliant
- Widerange 36-72Vdc Input Range
- IPMI Option
- 47-pin I/O Connector
- 70% Efficiency
- Hot-Swap Capable

DESCRIPTION

The cPCI200 is a family of high-reliability, 200W, 3Ux4HP CompactPCI™ power supplies operating from a nominal 48Vdc input. The use of our patented V-Series topology yields high efficiency which consequently permits packaging of this product in a compact, single card slot format (4HP).

ORing diodes and current sharing allow the cPCI200 to be operated in N+n parallel-redundant configurations. Available with an IPMI interface option, the cPCI200 was designed for hot-swap, redundant configurations to support high-availability (HA) telecom applications.

With a widerange input of 36-72Vdc, safety agency approvals to UL60950 and EN60950, EMI compliance to ETSI and Telcordia standards, the cPCI200 was designed with globally-deployed systems in mind. Additional features include remote sense compensation, unit enable control (EN#), output inhibit control (INH#), output fault signal (FAL#), and thermal warning signal (DEG#). LEDs are provided for visual indication of input power presence, output inhibit, and output fault condition.

The 4HP package and complement of global safety agency approvals provide for an advanced, high-density, high-efficiency power solution for your CompactPCI requirements.



SELECTION GUIDE								
Model Number	Power	Output Current				IPMI	Production Status	RoHS Compliant
		5V	3.3V	12V	-12V			
cPCI200D-1	180W	18A ¹	27A	4A ¹	4A ¹	No	Consult Factory	No
cPCI200D-2	225W	27A	27A ²	4A ²	4A ²	No	Consult Factory	No
cPCI200D-3	180W	18A ¹	27A	4A ¹	4A ¹	Yes	Consult Factory	No
cPCI200D-4	225W	27A	27A ²	4A ²	4A ²	Yes	Consult Factory	No
cPCI200D-1C	180W	18A ¹	27A	4A ¹	4A ¹	No	Active	Yes
cPCI200D-2C	225W	27A	27A ²	4A ²	4A ²	No	Active	Yes
cPCI200D-3C	180W	18A ¹	27A	4A ¹	4A ¹	Yes	Active	Yes
cPCI200D-4C	225W	27A	27A ²	4A ²	4A ²	Yes	Active	Yes

INPUT CHARACTERISTICS					
Parameter	Conditions	Min	Typ	Max	Units
Input Operating Voltage		36		72	Vdc
Input Voltage Withstand		34		75	Vdc
Inrush Current	36Vdc input		20		Apk
	72Vdc input		40		Apk

OUTPUT CHARACTERISTICS					
Parameter	Conditions	Min	Typ	Max	Units
Output Voltage Regulation ³	Outputs V1 & V2	-2		+4	%Vnom
	Outputs V3 & V4	-10		+10	%Vnom
Temperature Coefficient				0.02	%/°C
PARD (V1 & V2)	20MHz bandwidth			50	mVp-p
PARD (V3 & V4)	20MHz bandwidth		120	180	mVp-p
Output Power, CPC1200D-1 & -3	50°C, 300l/m airflow	0		180	W
	70°C, 300l/m airflow	0		90	W
Output Power, CPC1200D-2 & -4	50°C, 300l/m airflow	0		225	W
	70°C, 300l/m airflow	0		110	W
Transient Response	ΔV, 50% load step			±10	%Vnom
	Settling time			500	μsec
Over-Voltage Protection	V1 & V2		125	135	%Vnom
Minimum Load ⁴		500			mA
Remote Sense Compensation	V1 & V2	50			mV
Current Share Tolerance ⁵	V1&V2; full load			±10	%Itot
Isolation	Pri-Sec	1.5			kVac
	Pri-Chassis	1.5			kVac
	Sec-Chassis	500			Vac

Notes:

1. Maximum combined power from outputs V1, V3, & V4 not to exceed 90W.
2. Maximum combined power from outputs V2, V3, & V4 not to exceed 90W.
3. Total regulation includes line, load, and cross regulation.
4. Minimum load requirement of 500mA is required on V1 for 180W models and on V2 for 225W models.
5. Current share circuit is primary-referenced.