

CPCI Power Supply

The CPCI series are designed for a wide range of industrial & military applications and compliant with military standard GJB150A-2009. Dr.Power provides custom design for different requirement. The power supply mainly consists of regulation circuit, EMI filter circuit, inrush limit circuit, DC-DC converter, output filter and controlling circuit.

Application: Airborne, Missile-borne, Vehicle, Radar, Weapons, Communication and Controlling System.

Special Features:

- 1、 Input voltage range: AC115V $\pm$ 20% 400Hz、 AC220V $\pm$ 20% 50Hz、 AC220V(85V-264V) 50Hz、 DC28V(18V-36V)、 DC48V(36V-72V);
- 2、 Output voltage: +3.3V,+5.0V, $\pm$ 12V etc, provide custom design solutions
- 3、 Output current: provide several tens of custom design solutions
- 4、 Output control TTL level, and failure alarm, voltage monitoring, redundancy, current share.
- 5、 High efficiency up to 92%
- 6、 Meet PICMG2.11 R1.0 (CompactPCI standard) ;
- 7、 Input under voltage protection, output over current/short protection and over temperature protection

Standard 3U Package Size
(mm: 160x100x40)



Standard 6U Package Size
(mm: 233x160x40)



Product Specification(25°C Ambient Temperature)

Input Voltage	DC24V/DC48V/DC110V AC115V±20% 400Hz AC220V±20% 50Hz AC220V(85V-264V) 50Hz等	Operating Temperature	H Grade	-40°C ~ +60°C
			M Grade	-55°C ~ +85°C
Output Voltage Accuracy	≤1%	Storage Temperature		-55°C ~ +105°C
Line Regulation	≤0.5%	Isolation Resistance	Input/Case	100MΩ(DC1000V)
Load Regulation	≤2%		Input/Output	100MΩ(DC1000V)
Efficiency	≥87%(DC Input)		Output/Case	100MΩ(DC500V)
	≥85%(AC Input)	Connector	Standard P47 connector or custom define	

Product Examples

Model Number	Input Voltage	Output	Voltage Ripple	Efficiency	Size(mm)
JTPCI-DH200F3312	18-36Vdc	12V/7A,5V/10A,3.3V/5A, -12V/1A	Vp-p≤20mv	≥88%	166*100*40
JTPCI-DH250F512	18-36Vdc	12V/10A,5V/20A,-12V/2.5A	Vp-p≤50mv	≥88%	160*100*40
JTPCI-ADH240F524	18-36Vdc 176-264Vdc	12V1/2A,12V2/8A,5V/6A, 24A/4A	Vp-p≤80mv	≥85%	160*100*40
JTPCI-AH270F3312	176-264Vdc	12V/10A,5V/15A,3.3V/20A -12V/1A	Vp-p≤50mv	≥87%	160*100*40
JTPCI-AH550F3312	176-264Vdc &300Vdc	6V/50A,5V/30A,3.3V/25A, -12V/1A	Vp-p≤20mv	≥87%	233*160*40

Ordering Information

