

AC-DC Power Supply and Power System

The AC-DC power supply and power system are designed for a wide range of industrial & military applications and compliant with military standard GJB150A-2009, GJB151. 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 etc, provide multiple input solutions
- 2、 Output voltage: provide custom design products
- 3、 Output current: provide custom design products
- 4、 Output control TTL level, and failure alarm, voltage monitoring, redundancy, current share
- 5、 High efficiency up to 92%
- 6、 Input under voltage protection, output over current/short protection and over temperature protection
- 7、 High reliability, high performance on EMI

Product Specification(25°C Ambient Temperature)

Input Voltage	AC115V $\pm$ 20% 400Hz AC220V $\pm$ 20% 50Hz AC220V(85V-264V) 50Hz AC380V $\pm$ 10% 50HZ(3-Phase) etc	Operating Temperature		50ms
			H Grade	-40°C ~ +60°C
			M Grade	-55°C ~ +85°C
Output Voltage Accuracy	$\leq 1\%$	Storage Temperature		-55°C ~ +105°C
Output Voltage Trim	Custom define	Isolation Resistance	Input/Case	100M Ω (DC1000V)
Line Regulation	$\leq 0.5\%$		Input/Output	100M Ω (DC1000V)
Load Regulation	$\leq 2\%$		Output/Case	100M Ω (DC500V)
Efficiency	$\geq 85\%$	Connector	Custom define	
Ripple Vp-p	$\leq 20\text{mV}$ (refer spec)	Shock	6ms , Peak $\leq 100\text{g}$	

DC-DC Power Supply and Power System

The DC-DC power supply and power system are designed for a wide range of industrial & military applications and compliant with military standard GJB150A-2009, GJB151. 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. The output power varied from 6606W to 11W

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

Special Features:

- 1、 Input voltage range: DC28V (18V-36V)、 DC48V(36V-75V)、 DC110V(66V-160V)、 DC550V(400V-650V) , etc, provide multiple input solutions
- 2、 Output voltage: provide custom design products
- 3、 Output current: provide custom design products
- 4、 Output control TTL level, and failure alarm, voltage monitoring, redundancy, current share
- 5、 High efficiency up to 92%
- 6、 Input under voltage protection, output over current/short protection and over temperature protection
- 7、 High reliability, high performance on EMI

Product Specification(25°C Ambient Temperature)

Input Voltage	DC5V(4.5V-5.5V) DC24V(9V-36V) DC28V(18V-36V) DC48V(36V-75V) DC110V(66V-160V) DC550V(400V-650V)	Start-up Time		20ms
		Operating Temperature	H Grade	-40°C ~ +60°C
			M Grade	-55°C ~ +85°C
Output Voltage Accuracy	≤2%	Storage Temperature		-55°C ~ +105°C
Output Voltage Trim	Custom define	Isolation Resistance	Input/Case	100MΩ(DC1000V)
Line Regulation	≤0.5%		Input/Output	100MΩ(DC1000V)
Load Regulation	≤2%		Output/Case	100MΩ(DC500V)
Efficiency	≥88%	Connector	Custom define	
Ripple Vp-p	≤20mV(refer spec)	Shock	6ms , Peak≤100g	