



## Key features



- Wide voltage input (2:1)
- Low ripple and noise
- Over load, short circuit and over temperature protection
- High reliability, working temperature up to 125 degrees
- Products design of Military grade
- Six sides metal shield, lead terminal connection, chassis type installation
- Ultra thin design, the height only 22mm
- 3 Years product warranty



JEB50 series --- A military grade modular power supply offered by Zhongyiguang. Its output power is 50W. The power are high efficiency, low-loss, high reliability, High power density Easy installation ,good anti-interference ability and so on. The series are widely used in bad environment related industries. Such as communication , automobile and so on.

## Electrical Specifications

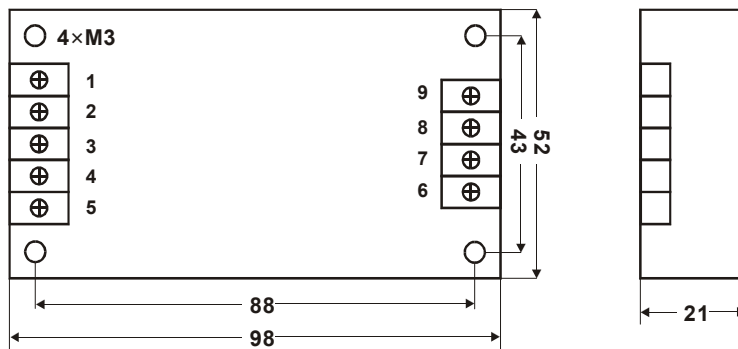
Model	Input voltage	Output Power(W)	Output voltage(V)	Output current(A)	Ripple(mv)	Efficiency (%)
JEB50-24S05	18-36	50	5	10	100	85
JEB50-24S12	18-36	50	12	4.2	100	89
JEB50-24S24	18-36	50	24	2.1	100	90
JEB50-48S05	36-72	50	5	10	100	86
JEB50-48S12	36-72	50	12	4.2	100	89
JEB50-48S24	36-72	50	24	2.1	100	90

## General Features

Output	Voltage accuracy	±2.0%	
	Line regulation	±1.0%	
	Load regulation	±1.0%	
Input	Input voltage range	JEB50-24SXX:18-36VDC	JEB50-48SXX:36-72VDC
	Input current(TYP)	JEB50-24SXX: 3.3max	JEB50-48SXX:1.6Amax
Protection	Protection of over-voltage , over-current, and short circuit, fault lock, restart after power failure.		
Work environment	Operating temperature	-40 ~ +125 °C	
	Humidity	85% .RH max	
	Storage temperature	-40 ~ +85, 10 ~ 95% RH	
	Temperature coefficient	0.03%/ (0~ 50°C )	
	Vibration coefficient	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes	
Safety and EMC (Note:3)	Safety standards	Conform to UL1012,EN60950,UL60950	
	I/O-isolation voltage	I/P-O/P:1.5KVAC	I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:> 100M Ohms/500VDC @ 25°C 70% RH	
	EMI / RFI conducted	Conform to EN55011, EN55022 (CISPR22)	
	ESD	IEC/EN 61000-4-2 level 4 8kV/15kV	

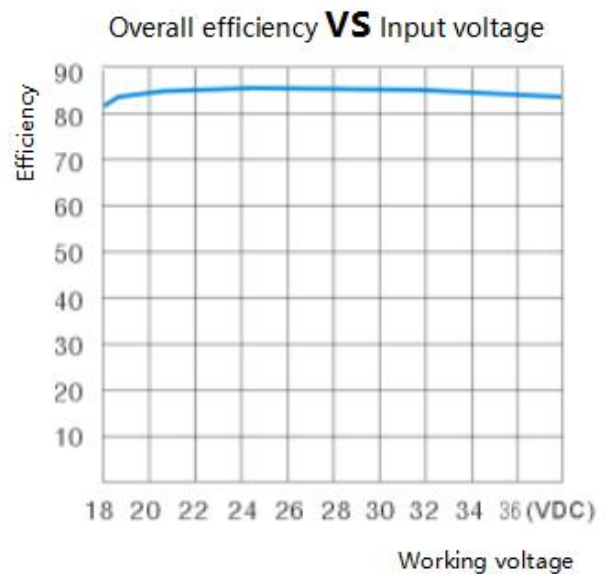
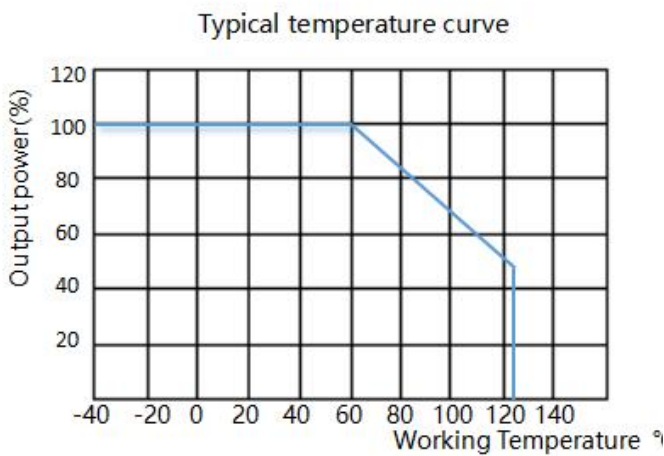
	RF	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4 level 4 4kV
	Surge	IEC/EN 61000-4-5 level 4 2kV
Others	MTBF	200K hrs min. MIL-HDBK-217F(25)
	Volume	98X52X22mm (L*W*H)
Notes	1. In addition to the special description, the above data are measured at the environment of TA=25°C, humidity less-than 75%, the nominal voltage and the rated load. And the efficiency is measured after the heat engine half an hour.	
	2. The ripple and noise are measured by 300mm twisted pair wires, parallel terminals, a 0.1uF high frequency ceramic capacitor and a 100uF electrolytic capacitor in the case of bandwidth 20MHz.	
	3. The power supply is considered as a component in the system, and it is necessary to confirm the EMC combine the terminal equipment.	

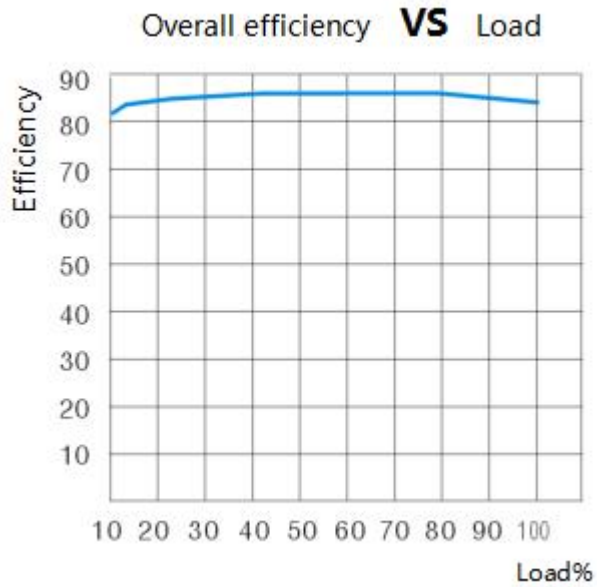
## Dimension



Pin function definition								
1	2	3	4	5	6	7	8	9
+Vo (Output)	NC	-Vo(Output)	FG(Ground connection)		CTR (Control remote)	-Vin (Input)	+Vin (Input)	

## Output derating





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