

GBX24 Series AC/DC 24VAC input 120W, 150W



- AC/DC Suitable for 24VAC input applications
- Wide range input 20 ~ 34VAC
- Single output options from 5 ~ 110VDC
- Fully Encapsulated Chassis Mount Design
- High operating temperature up to 60°C
- Suitable for a wide range of industrial applications
- Fully Isolated Output



Model Selection Table

Model Number	Description
GBX24-120-5	AC/DC Power Supply Chassis Mount Input: 24VAC (20- 34VAC) Output: 5VDC 120W Fully Encapsulated with isolation
GBX24-120-12	AC/DC Power Supply Chassis Mount Input: 24VAC (20- 34VAC) Output: 12VDC 120W Fully Encapsulated with isolation
GBX24-120-15	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 15VDC 120W Fully Encapsulated with isolation
GBX24-120-24	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 24VDC 120W Fully Encapsulated with isolation
GBX24-120-28	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 28VDC 120W Fully Encapsulated with isolation
GBX24-120-36	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 36VDC 120W Fully Encapsulated with isolation
GBX24-120-48	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 48VDC 120W Fully Encapsulated with isolation
GBX24-120-60	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 60VDC 120W Fully Encapsulated with isolation
GBX24-120-110	AC/DC Power Supply Chassis Mount Input: 24VAC (20- 34VAC) Output: 110VDC 120W Fully Encapsulated with isolation
GBX24-150-5	AC/DC Power Supply Chassis Mount Input: 24VAC (20- 34VAC) Output: 5VDC 150W Fully Encapsulated with isolation
GBX24-150-12	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 12VDC 150W Fully Encapsulated with isolation
GBX24-150-15	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 15VDC 150W Fully Encapsulated with isolation
GBX24-150-24	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 24VDC 150W Fully Encapsulated with isolation
GBX24-150-28	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 28VDC 150W Fully Encapsulated with isolation
GBX24-150-36	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 36VDC 150W Fully Encapsulated with isolation
GBX24-150-48	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 48VDC 150W Fully Encapsulated with isolation
GBX24-150-60	AC/DC Power Supply Chassis Mount Input: 24VAC (20-34VAC) Output: 60VDC 150W Fully Encapsulated with isolation

Description

The GBX24 series power supply, was designed to operate from low AC voltages, typically 24VAC. Using a proven “High Power Density fully encapsulated power module as the building block, it allows us to offer a high quality solution with operating temperature up to

60°C The wide Input range provides added flexibility for a wide range of Industrial applications. Output voltage options include 5V , 12V , 24V and 48V 60V 110V. Custom voltages can be offered upon request.

Specifications

Physical

Input Voltage	24VAC (20 ~ 34V)
Input Protection	By external fuse
Efficiency	Typically 86%

Electrical

Voltage Accuracy	Voltage setting within 2%
Output Voltage	Refer to table
Output Voltage Adjustment	Fixed Voltage Output
Output Protection	
Current Limiting	Constant current with hiccup mode. Automatic recovery after over temperature condition subsides: typically 105°C case temp.
Thermal Protection	
Over Voltage Protection	Unit latch off, reset by recycling input after 2minutes

Isolation	Input – Output: 1000vdc, Input – Chassis: 1000vdc , Output – Chassis: 500vdc
Line Regulation	±0.25%
Load Regulation	±0.5%
Output Ripple & Noise	Switching frequency ripple 0.25% of V out High frequency spike (30MHz BW) 0.5% of V out
Operating Temp	- 20°C to +55°C at full load Convection cooled up to 60°C with derating
Humidity	5 ~ 95% RH Non Condensing
Shock & Vibration	Fully encapsulated, designed to meet MILSTD 810E
Indicator	Green LED
Terminals	Input and Output pluggable terminal block