



GK120 POWER SUPPLY

GK120 Power Supply is designed to provide extra power to devices that require external power supply in a system. The GK120 provides energy for the fire detection system or equipment from the AC mains or the backup battery. In cases where energy is taken from the AC mains, the power supply both supplies energy to the system and keeps the batteries charged. The GK120 indicates Mains supply loss, backup power supply (battery block) loss/failure, and ground faults with LEDs and open collector outputs. It is EN54-4 certified.



TECHNICAL SPECIFICATIONS

Operating Voltage	:180-240 Vac
Power Consumption	:100 W
Battery Type	:Lead-acid Sealed Battery
Battery Capacity	:2 x 12V/7Ah
Maximum Battery Internal Resistance	:200 miliOhm
Battery	:Univercell
Battery Short Circuit Protection	:Var
Battery Low-level Voltage	:20V (+,- %10)
Battery Charge Current	:700mA
Battery Fuse	:5A
Indicator Output Type	:Open Collector
Indicator Output Current	:50mA
Error Relay	
Error Relay Contact	:Normally Open/Close 2A@24Vdc 1A@120Vac
Output Voltage	:23V (+,- %25)
Output Voltage Fluctuation	:1Vp-p max
PSU Switching Frequency	:<300kHz (Resonant Frequency)
Rated Current	:1.5A
Maximum Continuously Current	:1.8A
Minimum Current	:27mA

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	: -10°C - +55°C
Max Component Temperature	: +120°C
Humidity	: % 95

MECHANICAL SPECIFICATIONS

Case Material	: Plastic ABS + Metal Base
Dimensions	: 26,5 x 31 x10 cm
Weight	: 1.5 kg
IP Class	: IP30
Energy Cable Suggested	: 3x2,5 NYM or NYA type

GENERAL FEATURES

- Durable and aesthetic metal case and plastic front body
- 24V DC 3.5A Max.
- 100 W Continuous Output.
- 2x12V-7Ah battery.
- Bad or dead battery warning.
- Mains cut and ground fault.
- Indicator leds.
- Active fault monitoring with fault relay.
- Battery short circuit protection.
- Deep discharge prevention.
- EN 54-4 Certified