

PSU24-7

POWER SUPPLY WITH BACKUP 24V-7AH



DESCRIPTION

- The PSU24-7 power supply is specially designed to energize low-power Leaky Feeder communication systems and operate reliably in underground environments. It features an IP67 environmental protection grade cabinet, LSZH fire resistance, and IK10 impact resistance for robust use.
- It has a universal AC input for a wide range of input voltages, a 24 VDC output voltage, and electrical protections against short circuit, overload, and overvoltage.
- The power supply has a DC output circuit that allows feeding the Leaky Feeder network in two directions: Up (towards the head end) and Down (towards the mine). The output is equipped with overload and short circuit protections.
- The power supply includes indicator lights to indicate Active DC Output, Active AC Input, and Battery Operation modes.
- The PSU-7Ah version comes with two 7 AH deep cycle backup batteries, which are ideal for supporting prolonged power outages. Depending on the load, it can ideally provide up to 8 hours of backup. After AC power is restored, the Power Supply features fast battery charging.
- The ideal accessory for the Power Supply is the VPC2 - Dual Voltage Injector for the LF network.



SHORT DESCRIPTION

- Specifically Reliable power for low-power Leaky Feeder systems in underground settings, with IP67 protection and IK10 impact resistance.
- Universal AC input, 24 VDC output, and safeguards against short circuit, overload, and overvoltage.
- Supplies power to Leaky Feeder network in both directions (Up and Down) with overload and short circuit protection.
- PSU-7Ah version includes two 7 AH deep cycle batteries for up to 8 hours of backup, with fast charging after AC power is restored.

SPECIFICATIONS

■ AC Power:	124-370 VAC, 47 – 63 Hz
■ DC Power:	24 VDC, 5 ^a
■ Regulation:	± 0.5%
■ Voltage Tolerance:	± 1.0%
■ Max Current:	3 A DC
■ Efficiency:	84%
■ Power Factor:	0.92 @ max. load
■ AC Connection:	Metallic Cable Gands 25 mm
■ DC Connection:	Special connector (jumper included) IP67
■ IP Protection:	IP67
■ Weight w/ 2 Batteries:	12.1 kg
■ Dimmensions:	320(w)x230(d)x520(h) mm3



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