

Brand: Lightbreeze

Model: LB-32-V-S-24-D-C320-C94-R

Product Overview

The LightBreeze LB-32-V-S-24-D-C320-C94-R is a professional-grade 32A vertical Power Distribution Unit (PDU) designed for data centers, server racks, and critical IT infrastructure. The unit features a built-in digital amp meter for real-time current monitoring, 24 output outlets (20 × IEC C13 and 4 × IEC C19), and comprehensive RCBO protection against overloads, short circuits, and earth leakage faults. Constructed from industrial black extruded aluminum with high-conductivity copper busbars, the PDU ensures reliable and efficient power distribution. It is supplied with a 6.0 mm² copper cable, 1.8-meter cable length, and an IP67 industrial input socket for dependable operation in demanding environments.



Key Features

- 32A Rated Capacity for reliable power distribution in high-density rack environments.
- 24 Output Outlets comprising 20 × IEC C13 and 4 × IEC C19 sockets.
- Digital Amp Meter for real-time current monitoring and load management.
- Vertical Rack-Mount Design to maximize rack space utilization.
- Single-Section Construction for simplified power distribution.
- Heavy-Duty Aluminum Housing with durable Industrial Black finish.
- High-Conductivity Copper Busbars for efficient power transfer and reduced losses.
- 6.0 mm² Copper Input Cable for high-current applications.
- 1.8 Meter Input Cable for flexible installation.
- IP67 Industrial Input Socket providing protection against dust and water ingress.
- Suitable for continuous operation in mission-critical environments.



Technical Specification

Parameter	Specification
Brand	LightBreeze
Model	LB-32-V-S-24-D-C320-C94-R
Product Type	Power Distribution Unit (PDU)
Rated Current	32A (RC)
Mounting Type	Vertical
Feature Type	Digital (with Amp Meter)
Display	Digital Amp Meter
Section Type	Single Section
Total Output Ways	24
IEC C13 Outlets	20
IEC C19 Outlets	4
Protection Type	RCBO
Overload Protection	Yes
Short Circuit Protection	Yes
Earth Leakage Protection	Yes
Input Cable Size	6.0 mm ² Copper Conductor Cable
Cable Length	1.8 Meter
Input Connector	IP67 Industrial Socket
Operating Voltage	220–240V AC





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Applications

- Data Centers
- Server Racks and Cabinets
- Network Infrastructure
- Telecommunications Equipment
- Enterprise IT Facilities
- Edge Computing Installations
- Industrial Automation Systems
- Control Rooms and Monitoring Centers
- Audio/Video Equipment Racks
- Laboratory and Testing Facilities

Safety Features

- RCBO Protection combining residual current and overcurrent protection in a single device.
- Overload Protection to prevent damage from excessive current draw.
- Short-Circuit Protection for enhanced equipment and personnel safety.
- Earth Leakage Protection to reduce electrical shock risks.
- Industrial-Grade IP67 Input Connection for improved environmental protection.
- High-Quality Copper Conductors to minimize overheating and voltage drop.
- Robust Aluminum Enclosure providing mechanical strength and durability.
- Designed for compliance with professional rack power distribution safety requirements.
- Real-time current monitoring via the Digital Amp Meter helps prevent circuit overloading.
- Secure outlet arrangement for reliable connection of critical equipment.

