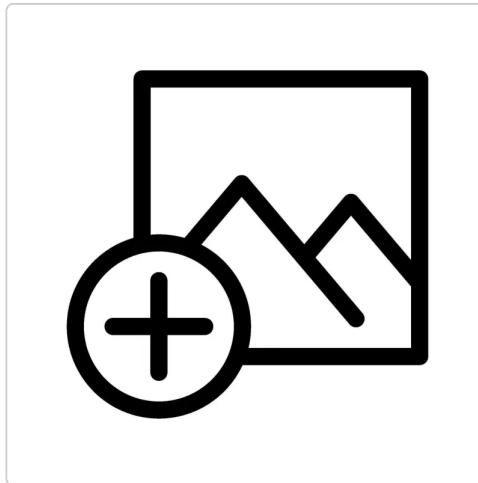
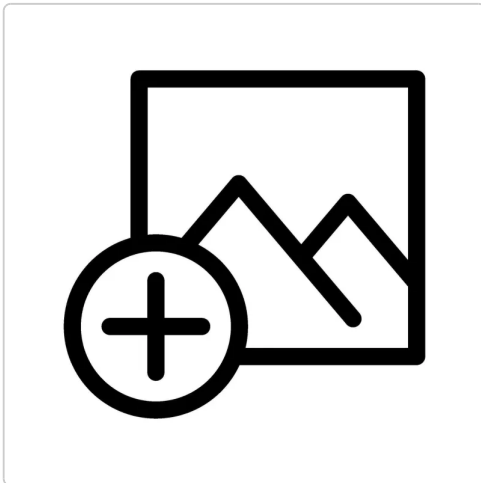


ZIVAN – NG1 Lite – 24V 22A Charger



Reference : ZIV-NG1L-24V-22A

Brand : ZIVAN

Options :

No variants

3D Model : Available

EAN-13 : 3762552429056

The ZIVAN NG1 Lite 24V 22A is a single-phase charger for 24 V open lead-acid batteries, designed to charge mobile and industrial equipment when a compact unit, easy integration and a 115/230 VAC mains supply are required. It is also relevant for maintenance operations because it replaces the former ZIVAN BC1 24V 20A reference F2BL7N-0200VX.

This model is intended for integrators and maintenance teams who need to keep a consistent 24 V lead-acid charging architecture while replacing an older generation charger without redesigning the whole system. Moving to the NG1 Lite series helps address a common BC1 replacement need on existing machines, with a newer reference, 22 A charging current and a lightweight mechanical package.

24V lead charge

24V 22A open lead-acid battery charger

From an electrical standpoint, the charger operates from a 115/230 VAC – 50/60 Hz single-phase supply and delivers 24 V charging at 22 A for open lead-acid batteries. It includes a programmable charging logic, reverse polarity protection by fuse, an end-of-charge auxiliary contact and efficiency above 85%. When replacing an older BC1, this is important: the substitution must still be validated at complete system level, taking into account the actual battery installed, the selected charging profile and the machine duty cycle.

Compact format

Brand	ZIVAN
Series	NG1 Lite
Manufacturer reference	GLBICB-07250X
Replaced reference	BC1 24V 20A
Former reference	F2BL7N-0200VX
Product type	Single-phase battery charger
Nominal battery voltage	24 V
Charging current	22 A
Target chemistry	Open lead-acid battery
Input voltage	115/230 VAC
Input frequency	50/60 Hz
Efficiency	> 85 %
Operating temperature	-20 to +50 °C
Reverse polarity protection	Yes, by fuse
End-of-charge auxiliary contact	Yes
Charge curve	Programmable
Protection rating	IP20
Dimensions	approx. 295 × 160 × 84 mm
Net weight	2.2 kg

BC1 maintenance

BC1 24V 20A replacement

In a maintenance or retrofit context, the main benefit of this NG1 Lite is that it provides functional continuity with the former BC1 24V 20A. It helps address charger renewal on an existing fleet more quickly while keeping a technical base suited to open lead-acid batteries. For operators and engineering teams alike, this makes it easier to identify a credible replacement reference without confusing range replacement with automatic compatibility validation.

Machine integration

Compact IP20 charger for retrofit

Its approximate 295 × 160 × 84 mm format and 2.2 kg net weight make it easier to install in constrained technical volumes. This compactness makes it suitable for light electric vehicles, material handling equipment, service machines and certain industrial systems powered at 24 V. However, its IP20 protection rating requires installation in a protected, ventilated compartment with proper mechanical control.

Field questions

24V open lead-acid battery compatibility

Does this charger replace an older BC1 reference?

Yes, it replaces the ZIVAN BC1 24V 20A ref. F2BL7N-0200VX.

Can it be mounted on a machine?

Yes, provided a protected and ventilated compartment compatible with IP20 is used.

Is it suitable for all 24 V batteries?

No, it is positioned here for 24 V open lead-acid batteries and must be validated according to the actual configuration.

Integration choice

The ZIVAN NG1 Lite 24V 22A is well suited to maintenance, retrofit and fleet renewal projects requiring a compact 24 V lead-acid charger while ensuring replacement of an older BC1. Its selection must nevertheless be validated against all integration parameters: battery, charging profile, protections, wiring and installation environment.

Frequently associated searches for this product: 24V open battery charger, 24V single-phase charger, BC1 charger replacement. [See the corresponding category](#)

Written by **Mathieu S.** and reviewed by the EVEA Distribution technical team — Last updated on 23/06/2026.

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