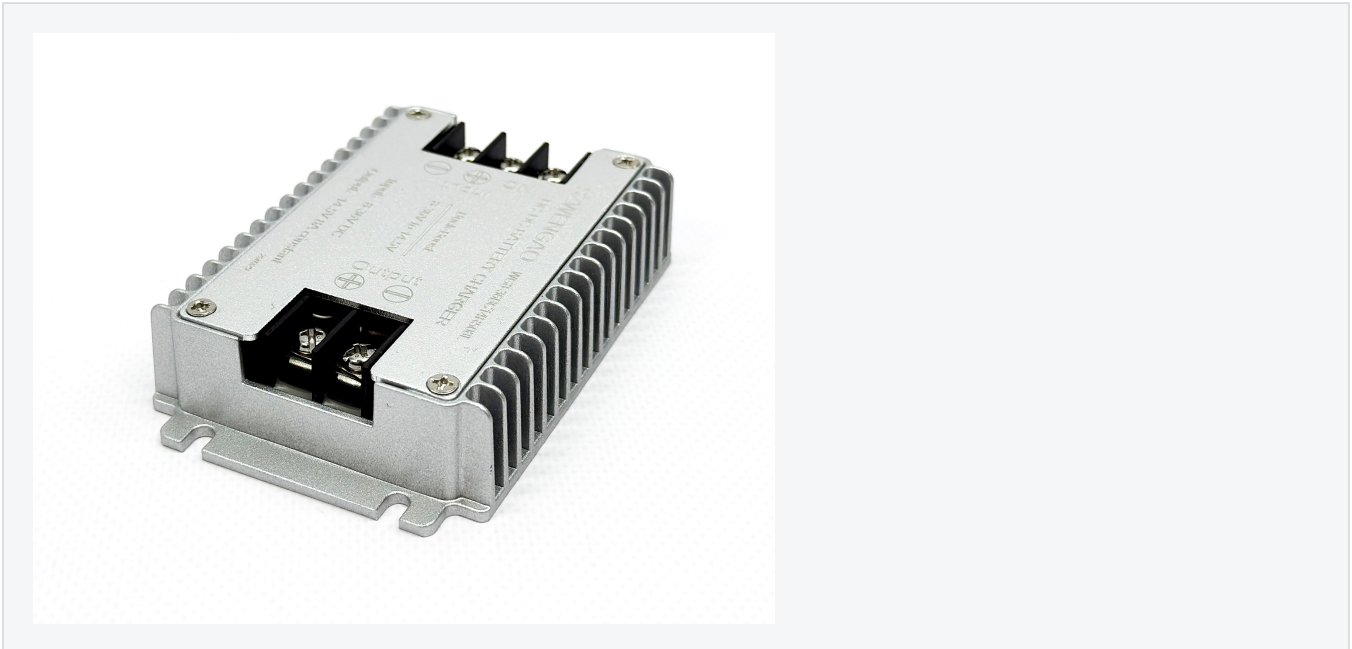


SZWENGAO WG8-36BC14R508L

8–36 V DC input · 14.5 V DC / 8 A constant output · DC–DC battery charger



DOCUMENT STATUS

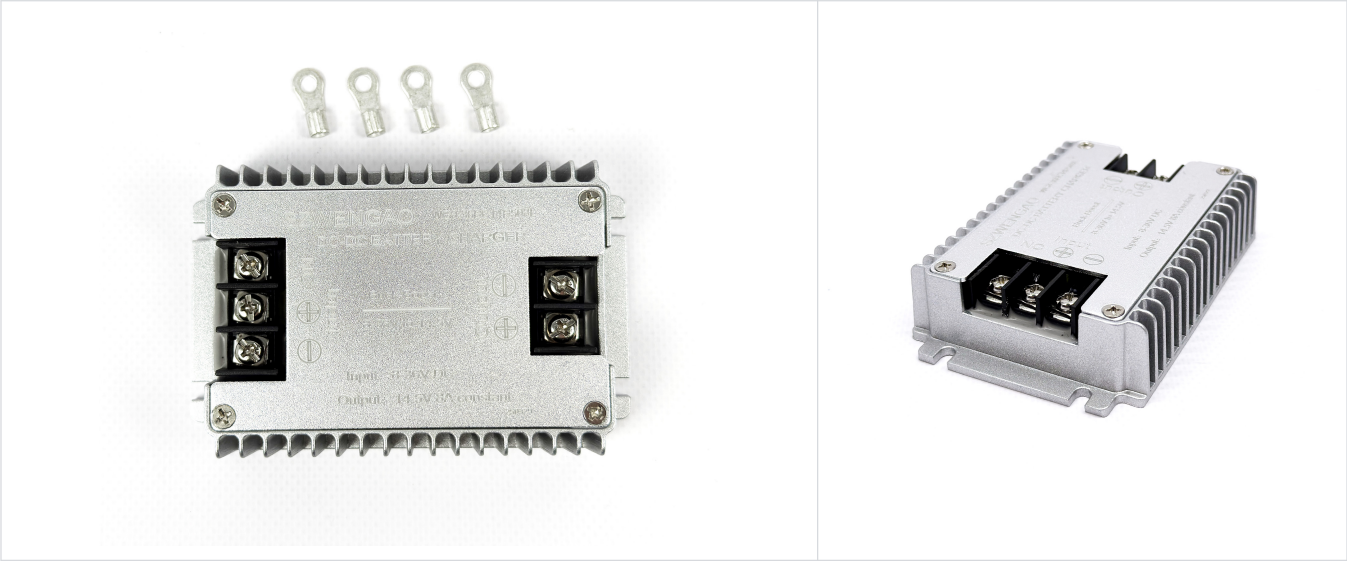
This is not an original manufacturer manual. It is a transparent technical-reference archive for the exact electrical variant identified in offer #345. The currently indexed SZWENGAO support library does not expose a PDF for this older exact model.

Covered product

SZWENGAO model WG8-36BC14R508L, the compact silver finned unit with five screw terminals: three input-side terminals (+, –, ACC) and two output-side terminals (+, –). This reference is linked only to offer #345.

Applicability evidence

Identification field	Offer #345 / unit marking	Independent listing
Brand	SZWENGAO	SZWENGAO
Input	8–36 V DC	8–36 V DC
Output	14.5 V DC, 8 A constant	14.5 V, 8 A lithium-battery charger option
Variant type	Buck/boost DC–DC battery charger	Rechargeable-lithium-battery constant-current variant
Enclosure	Compact finned aluminium shell; terminal connection	SZWENGAO converter/charger product family listing



Exact-unit marking and terminal layout from the offer #345 product-image record. These images are identification evidence, not the external document source.

Sources and limitations

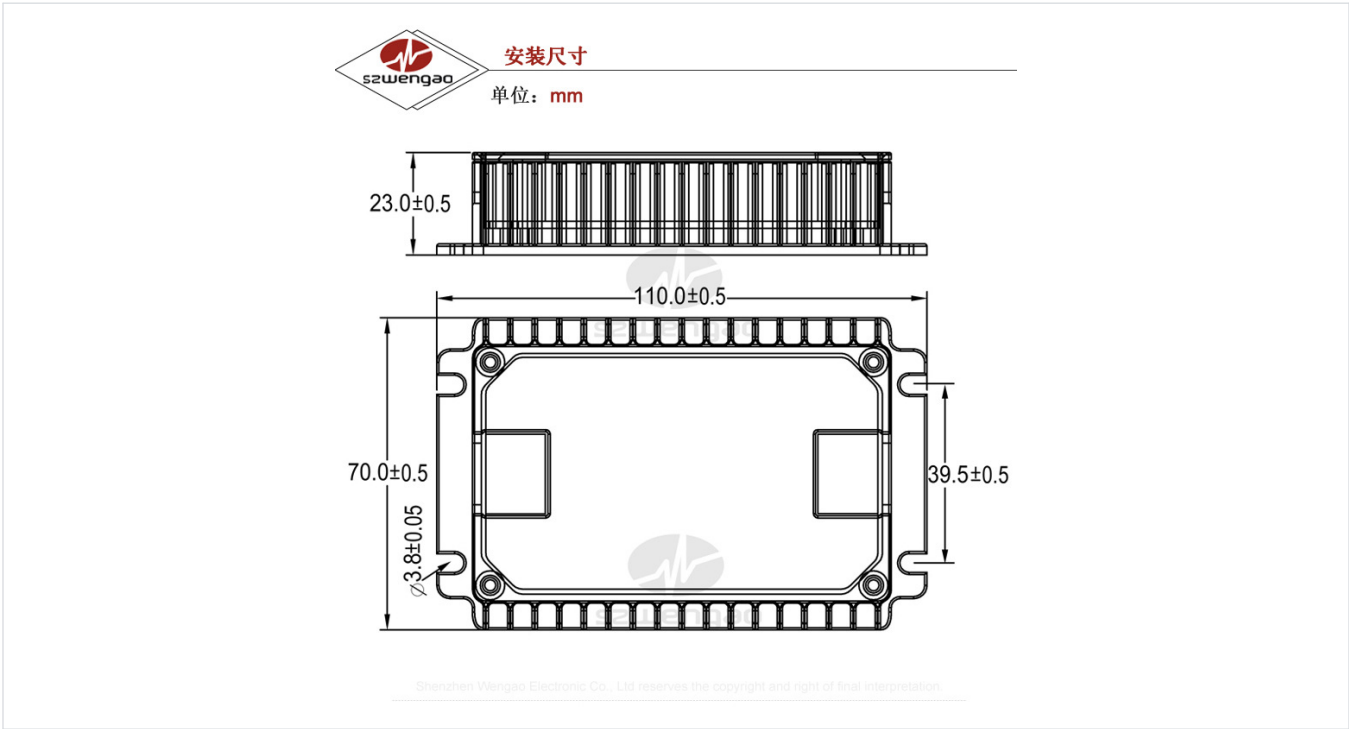
Primary external source: Yoycart item 530491467709, a third-party SZWENGAO product listing that explicitly offers the 8–36 V to 14.5 V / 8 A lithium-battery charging variant. [Open source page](#). Accessed 2026-07-22.

Manufacturer context: Shenzhen Wengao Electronic Co., Ltd. identifies SZWENGAO as its brand and publishes DC–DC battery-charger categories and support downloads. Its currently indexed catalog does not list this exact model. [Manufacturer product family](#) · [Manufacturer downloads](#).

The exact model string is visible on the unit and recorded in the product database. Because an exact-model manufacturer PDF was not found, this reference must remain a draft until product-level review.

Technical specification

Parameter	Value for this unit	Evidence
Manufacturer / brand	Shenzhen Wengao Electronic Co., Ltd. / SZWENGAO	Unit marking; manufacturer website
Model	WG8-36BC14R508L	Unit marking; product record
Input voltage	8–36 V DC	Unit marking; independent exact-variant listing
Output voltage	14.5 V DC	Unit marking; independent exact-variant listing
Output current	8 A constant	Unit marking; independent exact-variant listing
No-load current	100 mA	Product record
Efficiency	96.8%	Product record
Ingress protection	IP65	Product record
Operating temperature	−40 °C to +80 °C	Product record
Dimensions	110 × 70 × 23 mm	Dimension drawing in product-image record
Weight	260 g	Product record

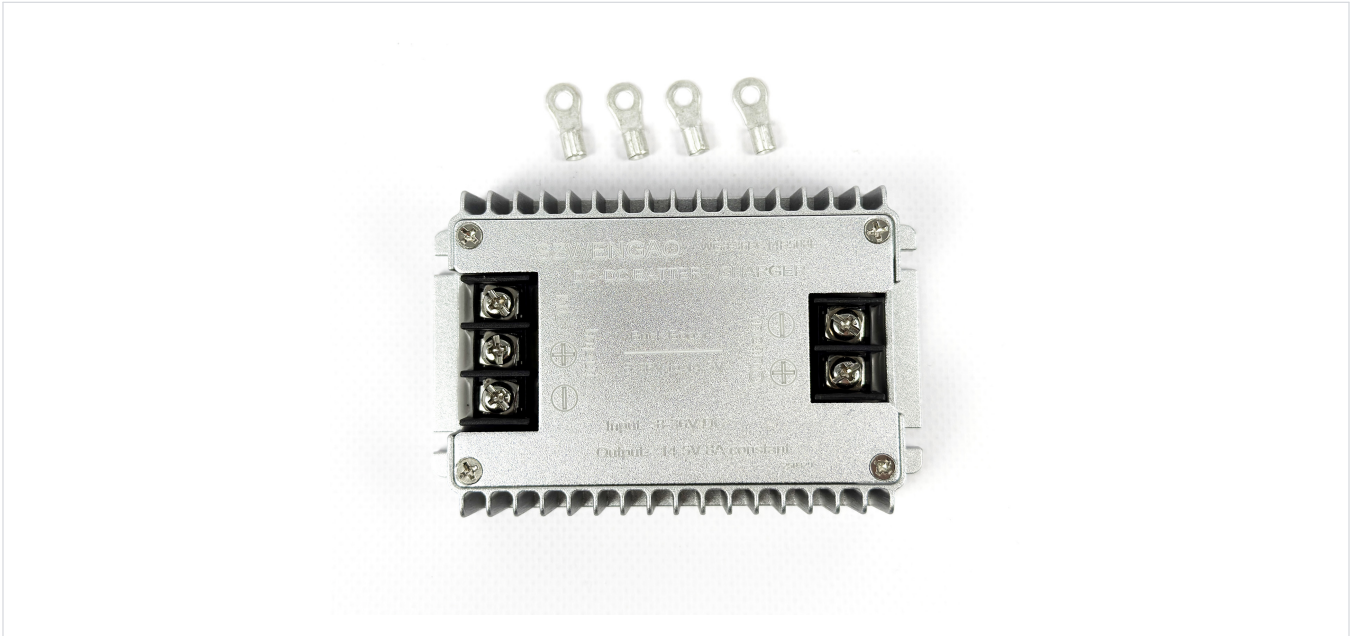


SZWENGAO dimension drawing stored with offer #345: 110.0 × 70.0 × 23.0 mm; mounting-slot details are shown on the drawing.

Connection reference

Terminal labels observed on the exact unit

Side	Terminal	Observed function / caution
Input	+	Positive DC supply input
Input	–	Negative DC supply input
Input	ACC	Physical control terminal is present. Its switching behaviour is not established by an exact-model external manual; verify on the specific unit before relying on it.
Output	+	Positive 14.5 V charger output
Output	–	Negative charger output



Installation boundary

- Disconnect all power sources before wiring and verify polarity before energising.
- Use conductors, over-current protection and mounting methods sized for the actual circuit and applicable regulations. Place source-side protection close to the source.
- Do not infer ACC behaviour from another SZWENGAO model. The exact-model external documentation located during this research does not define it.
- The fixed 14.5 V output must be suitable for the connected battery and its BMS. Do not use this reference as a substitute for battery-manufacturer charging limits.
- Keep this document in draft status until a qualified product-level review confirms the unit and its connection behaviour.

Archive metadata

Document type: technical specification / connection quick reference · Language: English · Original filename: SZWENGAO-WG8-36BC14R508L-exact-variant-third-party-technical-reference-EN-2026-07-22.pdf · Prepared: 2026-07-22 · Status: draft research archive.