APS

Your partner for auxiliary converters

Battery Charger

Type GWL-B2

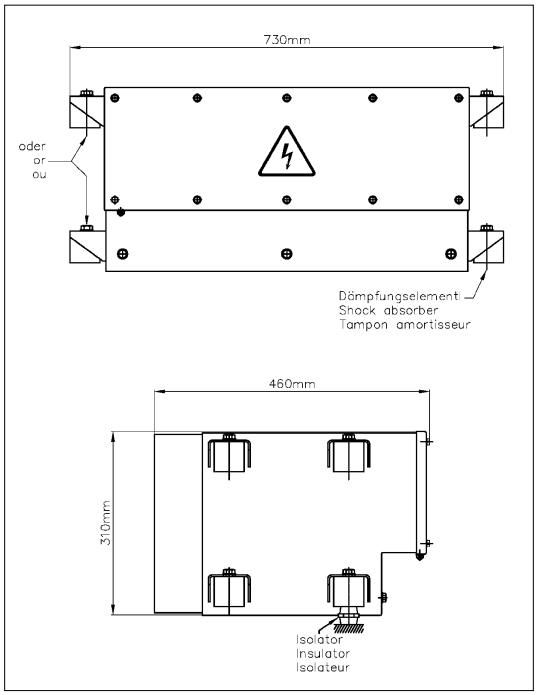
Battery Charger Type GWL-B2

Main features

- **600 / 750 / 1200 VDC Line Voltage**
- **Battery Charging with UI Characteristic**
- **Starts with low discharged batteries**
- **Efficiency > 90%**
- **Protection mode IP54**
- **Regular maintenance free**
- **Trolley, tramway, metro, train application**
- **Galvanically separated, double isolatedv**

Air or slipstream-cooled battery charger for use on rail or road vehicles for direct connection to the contact-wire. Mounted in a dust and spray protected housing. Protected against connection with the wrong polarity. Power transformation, voltage matching potential separation and charging control by employing 25 kHz switching technology designed for high reliability and availability.

The devices are free of regular maintenance and application approved. Delayed-action, potential-free contact for monitoring the charging current and voltage. Automatic cut-off in the event of a fault. Automatic restart assured when an external fault has been eliminated. Prepared for on the roof or underfloor installation.



Dimensions

Technical data

Type	Input	Output			Weight
GWL-B2	Operating-voltage	Nominal-voltage	Charging-voltage	Charging current	(approx.)
	(VDC)	(VDC)	(VDC)	(ADC)	(kg)
24-80	320[1] – 975	24	20 ... 30	80	50-60
24-130	320[1] – 975	24	20 ... 30	130	50-60
24-200	320[1] – 975	24	20 ... 30	200	50-60
36-80	320[1] – 975	36	32 ... 45	80	50-60
36-150	320[1] – 975	36	32 ... 45	150	50-60
72-80	320[1] – 975	72	70 ... 90	80	50-60
110-80	320[1] – 975	110	85 ... 125	80	50-60

[1] 320 – 420 VDC with reduced output power

General data

Protection mode	IP54
Environmental temperature range	-25°C ... +40°C
Polarity connection	Free, no connection to the housing
Cooling	Slip stream, convection cooled
Isolation primary / secondary	Double isolation
Material of housing	Stainless steel

Options

Start with zero voltage on battery	
Second output for on board supply	
Environmental temperature range	-40°C ... +50°C
Temperature compensated battery charging	
Control input for remote start/stop	
Microprocessor Diagnostics	

Subject to change without notice.

APS electronic AG
Neumatt 4, CH-4626 Niederbuchsiten
Phone +41 (0) 62 389 8888
Fax +41 (0) 62 389 8880
aps@apsag.com
www.apsag.com

Member of Vossloh Kiepe

656–05/10