

Battery Inverter

for Ventilation Systems



safe | control | regulation

Power supply systems on rail vehicles have batteries for the permanent or emergency power supply of three-phase fans.

The BWR-type inverters generate a three-phase system from the battery with a V/f curve for the control of three-phase asynchronous motors. Wide-range output voltage and frequency parameters can be set.

Features

- Compact units with low dimensions
- Up to IP 65 protection class
- Extended input voltage range
- DU/dt or sinusoidal output filter
- Vibratory and impact load conforming to IEC 61373

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Technical Data

Type	Nominal Battery Voltage	Input Voltage Range	Output Voltage	Output Current	Protection Classification
BWR 110 / 98 – 004	110 V	66 ... 200 V	0...98 V 3 AC	3,6 A	IP 65
BWR 110 / 230 – 002	110 V	66 ... 200 V	0 ... 230 V 3 AC	1,8 A	IP 65
BWR 110 / 230 – 004	110 V	66 ... 200 V	0 ... 230 V 3 AC sine	3,6 A	IP 20
BWR 110 / 230 – 004F*	110 V	66 ... 200 V	0 ... 230 V 3 AC sine	3,6 A	IP 20
BWR 24 / 200 – 004	24 V	16,8 ... 36 V	0 ... 200 V 3 AC sinus	3,6 A	IP 20
BWR 24 / 230 – 002	24 V	16,8 ... 36 V	0 ... 230 V 3 AC sine	2,0 A	IP 20

* internal overvoltage filter

Ambient Temperature Range	- 25 °C ... + 55 °C
Output Frequency	0 ... 50 Hz
Protection	Input Power Limiting, Protection against Overload, Output Short-Circuit, Overvoltage, Undervoltage, Overtemperature
Efficiency	> 0,9