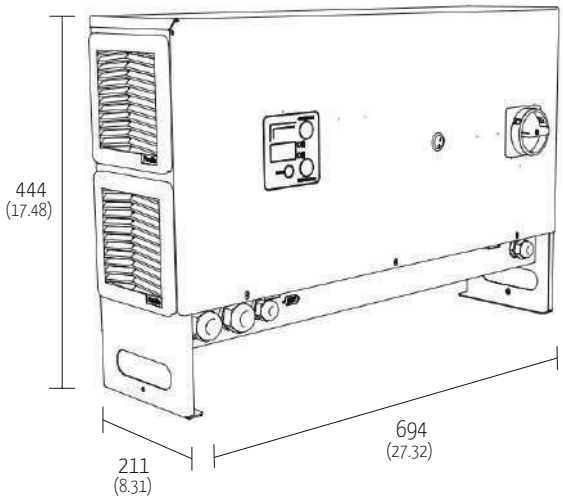
BATTERY CHARGER BG9

ZIVAN®
HIGH FREQUENCY BATTERY CHARGERS

Highlights

Robust and powerful battery chargers for fast and opportunity charging. Flexible solution with reliable field-proven power modules. Applications in material handling, GSE, non-road mobile machinery, AGV/AMR and other sectors.





mm (Inch.) - Weight:25 kg (55 lbs)

Features

- **Robust and Powerful**
- **High protection level**
  up to IP54
- **Multivoltage capability**
  for Li-Ion battery applications
- **CANopen based**
  SAE J1939 protocols
- **Intuitive plug & play**
  charger configuration
- **Good serviceability**

Technical Features

MAINS SIDE

Ta=25°C (77°F) unless otherwise specified

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Supply Voltage Three-phase	Vin	-	400 ± 15% 480+/-15%	Veff
Frequency	f	-	50 ÷ 60	Hz
Absorbed Current	If_{max}	$P = P_{max}$	16	Aeff *
Inrush Current	-	Vin=400Veff	<2,5	A
Displacement Power Factor	DPF/cosφ	$P = P_{max}$	1	-
Power Factor	PF	$P = P_{max}$	0,95	kW
Absorbed Maximum Power	Pin_{max}	$P = P_{max}$	10,5	-

* Maximum value. For the effective current absorption please refer to the charger's identification label.

BATTERY SIDE

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Absorbed current	I_a	Equipment turned off	<0,5	mA
Thermal compensation of output voltage	dU1/dT	Phase 2	-5	mV/(°C·cell)
Thermal compensation range	T	U = U1	-20°C/+50°C (-4°F/+122°F)	-
Output voltage ripple	-	U = U1, I = I1	<1%	-
Maximum power supplied	P_{max}	-	9,6	kW

GENERAL

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Operating temperature range	T	-	-20°C/+50°C (-4°F/+122°F)	°C (°F)
Maximum relative humidity	RH	-	90%	-
Efficiency	η	-	Up to 92%	-
Maximum size	a×b×c	without wiring harness	444X211X694 (17.4X8.3X27.3)	mm (Inch.)
Weight	-	without wiring harness	25 (55)	kg (lbs)
Enclosure class	-	-	Up to IP54	-
Switching frequency	f_c	-	20 ± 5%	kHz

VOLTAGE	MAX. CURRENT
24 V	200 A
48 V	160 A
80 V	120 A
96 V	80 A
96 V/48 V MULTIVOLTAGE OUTPUT	80 A