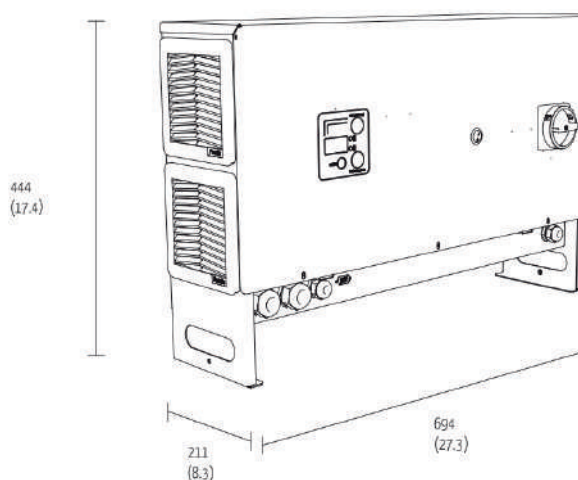


BATTERY CHARGER BG9

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 (NEMA 3R)
- ✓ Multivoltage capability for Li-Ion battery applications
- ✓ CANopen based, SAE J1939 protocols
- ✓ Intuitive plug & play charger configuration
- ✓ Good serviceability

Technical Features

MAIN SIDE

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

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Supply Voltage Three-phase	V _{in}	-	400 ± 15% 480+/-15%	V _{eff}
Frequency	f	-	50 ÷ 60	Hz
Absorbed Current	I _{f max}	P = P _{max}	16	A _{eff} *
Inrush Current	-	V _{in} =400V _{eff}	<2,5	A
Displacement Power Factor	DPF/cosφ	P = P _{max}	1	-
Power Factor	PF	P = P _{max}	0,95	kW
Absorbed Maximum Power	P _{in 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	dU ₁ /dT	Phase 2	-5	V
Thermal compensation range	T	U = U ₁	-20°C/+50°C (-4°F/+122°F)	-
Output voltage ripple	-	U = U ₁ , I = I ₁	<1%	-
Maximum power supplied	P _{max}	-	Up to 9600	W

GENERAL

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Operating temperature range	T	-	-20°C/+45°C (-4°F/+113°F)	°C (°F)
Maximum relative humidity	RH	-	90%	-
Efficiency	η	-	> 93%	-
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 (NEMA 3R)	-
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	80 A

