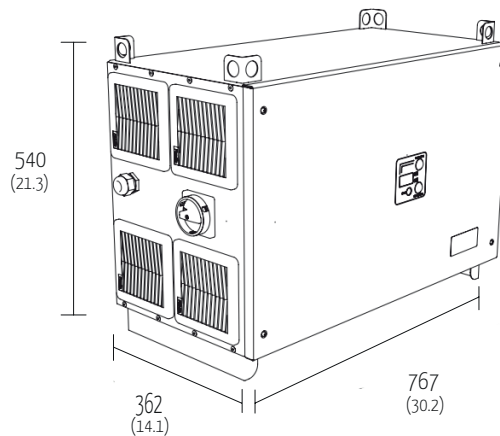
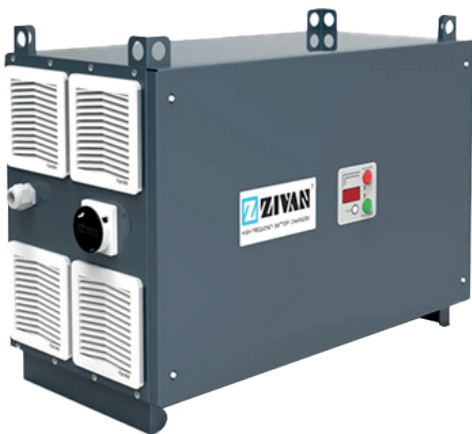


BATTERY CHARGER BG18

Highlights

Robust and powerful battery chargers for fast and opportunity charging, BG18 is a 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: 47 kg (103 lbs)

Features

- ✓ **Robust and Powerful** for fast charging
- ✓ **Modular platform**
- ✓ **Multivoltage capability** for Li-Ion batteries
- ✓ **All battery type (including Li-Ion)** over 30 years experience with charging algorithms development
- ✓ **High protection level** for Harsh environment
- ✓ **Multifunction charger** standard, opportunity, fast, ultra fast charging capability
- ✓ **Intuitive plug & play** charger configuration
- ✓ **CAN BUS Modular architecture** available Zivan proprietary system for remote charger and battery monitoring

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	V _{in}	-	400 ± 15% 480 ± 15%	V _{eff}
Frequency	f	-	50 ÷ 60	Hz
Absorbed Maximum Current per phase	I _{f max}	P = P _{max}	32	A _{eff} *
Inrush Current	-	V _{in} =400V _{eff}	< 5	A
Displacement Power Factor	DPF/cos φ	P = P _{max}	1	-
Power Factor	PF	P = P _{max}	0,95	-
Absorbed Maximum Power	P _{ri max}	P = P _{max}	21	kW

* 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	< 1	mA
Thermal compensation of output voltage	dU ₁ /dT	Phase 2	-5	mV/(°C·cell)
Operating range of Temperature Sensor	ΔT	-	-20°C/+50°C (-4°F/+122°F)	°C (°F)
Output voltage ripple	-	U = U ₁	< 1%	-
Maximum power supplied	P _{max}	U = U ₁ , I = I ₁	19,2	kW

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	-	Up to 92%	-
Maximum size	a×b×c	without wiring harness	767 × 362 × 540 (30.2 × 14.1 × 21.3)	mm (Inch.)
Weight	-	without wiring harness	47 (103)	kg (lbs)
Switching frequency	f _c	-	20 ± 5%	kHz

VOLTAGE	MAX. CURRENT
24 V	400 A
48 V	320 A
80 V	240 A
96 V	160 A
96 V/48 V MULTI VOLTAGE OUTPUT	160 A