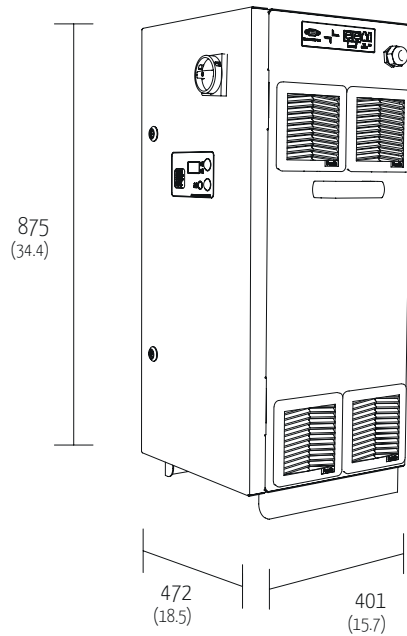


BATTERY CHARGER MG18

Highlights

Robust and powerful product for fast and opportunity charging. MG18 is a flexible and scalable solution with high protection grade.

Compliant to global standards and regulations, it is the best fast charger for industrial applications.



mm (Inch.) - Weight: 57 kg (125 lbs)

Features

- ✓ Rugged and Powerful
- ✓ Modular platform
- ✓ Multivoltage capability for Li-Ion batteries
- ✓ High protection level up to IP54 (NEMA 3R)
- ✓ CANopen based, SAE J1939 protocols
- ✓ Intuitive plug & play charger configuration

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	Vin	-	400 ± 15% 480 ± 15%	Veff
Frequency	f	-	50 ÷ 60	Hz
Absorbed Maximum Current per phase	If _{max}	P = P _{max}	32	Aeff *
Inrush Current	-	Vin=400Veff	< 5	A
Displacement Power Factor	DPF/cos φ	P = P _{max}	1	-
Power Factor	PF	P = P _{max}	0,95	-
Absorbed Maximum Power	Pri _{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	dU1/dT	Phase 2	-5	mV/(°C·cell)
Thermal compensation range	T	-	-20°C/+50°C (-4°F/+122°F)	°C (°F)
Output voltage ripple	-	U = U1	< 1%	-
Maximum power supplied	P _{max}	U = U1, I = I1	Up to 19200	W
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	875 x 472 x 401 (34.4x18.5x 15.7)	mm (Inch.)
Weight	-	without wiring harness	57 (125)	kg (lbs)
Enclosure class	-	-	Up to IP54 (NEMA 3R)	-
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			

