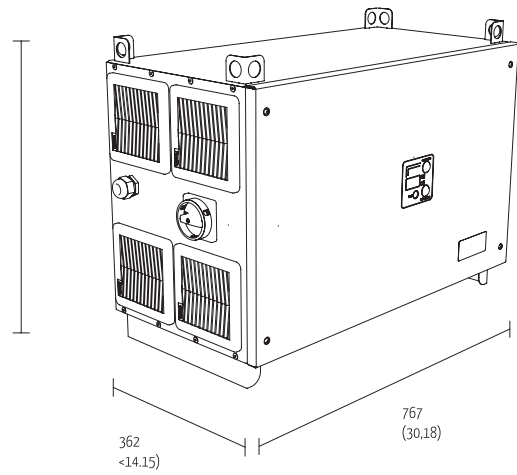
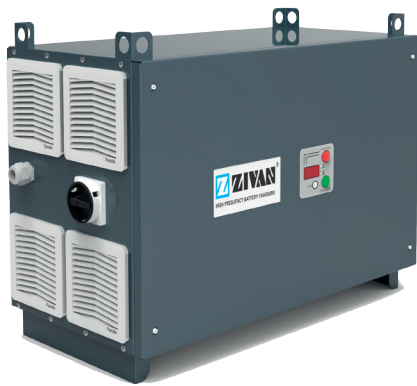


# BATTERY CHARGER BG18



mm (Inch.) - Weight: Kg 47 Lb 103

## FEATURES

### Flashable microcontroller

for any update and modification

### Large Internal Memory

(250 cycles for monthly reports, extendable to 1000 yearly)

### Flexible Software with variable Set Points

Programmable start of charge cycle  
adjustable V-A-Time for any curve creation

### Optimized Battery life time

Programmable Desulphation and seasonal Thermal compensation

### More than 1000 available algorithms

over 30 years development and test experience in cooperation with Market Leaders



### CAN BUS Modular architecture

matches with Battery Data Logger



### Multifunction charger

opportunity, fast, ultra fast charging capability



### Remote Battery and Charger Monitoring

ZIVAN Proprietary DATA DRONE integrated system for customer server based data capture



### Adjustable cable voltage drop compensation

dynamic adjustment of the voltage drop depending on current output



### LI-ION ready

VAC	MODEL	TYPE	BATTERY	AH	CHARGING TIME			
					2H	6H	8H	12H
480 or 400	BG18	24 340	Lead Acid, AGM, Gel, LI-ION	500 1700	450 700	750 1400	1450 1700	-
480 or 400	BG18	36 300	Lead Acid, AGM, Gel, LI-ION	500 1500	400 600	700 1200	1250 1500	-
480 or 400	BG18	48 300	Lead Acid, AGM, Gel, LI-ION	500 1500	400 600	700 1200	1250 1500	-
480 or 400	BG18	80 240	Lead Acid, AGM, Gel, LI-ION	500 1700	400	400 800	400 1500	1600 1700
480 or 400	BG18	96 160	Lead Acid, AGM, Gel, LI-ION	500 1500	300	400 560	600 1100	1200 1500

## TECHNICAL FEATURES

Ta=25°C unless otherwise specified

### MAIN SIDE

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Supply Voltage Three-phase	V <sub>in</sub>	-	400/480 ± 15%	V <sub>eff</sub>
Frequency	f	-	50 ÷ 60	Hz
Absorbed Maximum Current per phase	I <sub>f max</sub>	P = P <sub>max</sub>	26/22	A <sub>eff</sub> *
Inrush Current	-	V <sub>in</sub> =400V <sub>eff</sub>	< 5	A
Displacement Power Factor	DPF/cosφ	P = P <sub>max</sub>	1	-
Power Factor	PF	P = P <sub>max</sub>	0.95	-
Absorbed Maximum Power	P <sub>in max</sub>	P = P <sub>max</sub>	18	kW

\* Maximum value per model. 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 <sub>a</sub>	Equipment turned off	< 1	mA
Thermal compensation of output voltage	dU <sub>1</sub> /dT	Phase 2	Progr. 0 to 9	mV/(°C·cell)
Operating range of Temperature Sensor	ΔT	-	from -20 to +50	°C
Output voltage ripple	-	U = U <sub>1</sub>	< 1%	-
Maximum power supplied	P <sub>max</sub>	U = U <sub>1</sub> , I = I <sub>1</sub>	15400	W

### GENERAL

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Operating range of temperature	ΔT	-	From -20 to +45	°C
Maximum relative humidity	RH	-	90%	-
Switching frequency	f <sub>c</sub>	-	20 ± 5%	kHz
Efficiency	η	-	> 93%	-
Maximum size	a×b×c	Without connecting cable	763×540×362	mm
Weight	-	Without connecting cable	47	kg
Enclosure class	-	-	IP44	-

