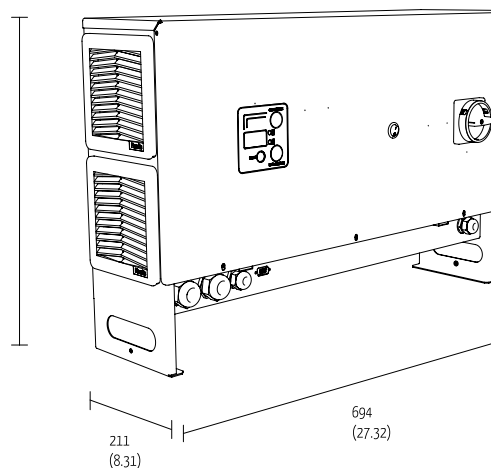


BATTERY CHARGER MODEL BG9



mm (Inch.) - Weight: Kg 25 Lb 55

FEATURES

Flashable microcontroller

for any update and modification

Large Internal Memory

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

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

matching 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 FOR CAPACITY*:**			
					2H	6H	8H	12H
480 or 400	BG9	24 200	Lead Acid, AGM, Gel, LI-ION	500 1700	400	400 800	400 1500	1600 1700
480 or 400	BG9	36 150	Lead Acid, AGM, Gel, LI-ION	500 1500	300	400 600	650 1100	1100 1500
480 or 400	BG9	48 150	Lead Acid, AGM, Gel, LI-ION	500 500	300	400 600	650 1000	1200 1500
480 or 400	BG9	80 120	Lead Acid, AGM, Gel, LI-ION	500 1400	240	300 400	400 770	800 1400
480 or 400	BG9	96 80	Lead Acid, AGM, Gel, LI-ION	250 800	150	100 250	250 550	600 800

* Ultra fast charger for LIION and other compatible batteries

** Charging times and related capacities are estimated upon testing and calculation performed on specific algorithms

TECHNICAL FEATURES

Ta=25 °C unless otherwise specified

MAIN SIDE

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE AND/OR RANGE	UNIT
Supply Voltage Three-phase	V _{in}	-	400/480 ± 15%	V _{eff}
Frequency	f	-	50 ÷ 60	Hz
Absorbed Maximum Current per phase	I _{f_{max}}	P = P _{max}	13/11	A _{eff} *
Inrush Current	-	V _{in} =400V _{eff}	< 2,35	A
Displacement Power Factor	DPF/cosφ	P = P _{max}	1	-
Power Factor	PF	P = P _{max}	0,95	-
Absorbed Maximum Power	P _{in_{max}}	P = P _{max}	9	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 _a	Equipment turned off	< 0,5	mA
Thermal compensation of output voltage	dU ₁ /dT	Phase 2	-5	mV/(°C-cell)
Operating range of Temperature Sensor	ΔT	-	from -20 to +50	°C
Output voltage ripple	-	U = U ₁	< 1%	-
Maximum power supplied	P _{max}	U = U ₁ , I = I ₁	7700	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 _c	-	20 ± 5%	kHz
Efficiency	η	-	> 93%	-
Maximum size	a×b×c	Without connecting cable	694×444×210	mm
Weight	-	Without connecting cable	25	kg
Enclosure class	-	-	IP54	-

