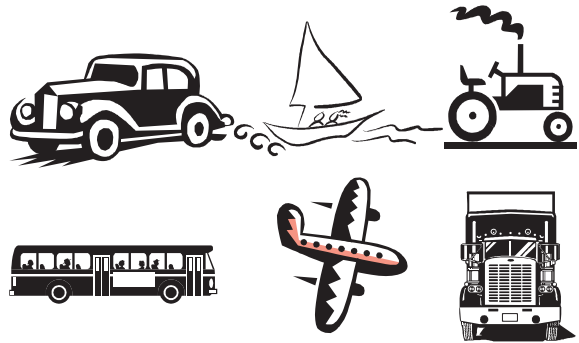


Battery Fighter®

Advanced Battery Charging System

Battery Fighter® and **Battery Fighter® Junior** are fully automatic battery chargers designed to provide a quick and economical means to recharge and maintain a battery at a proper voltage without damaging effects caused by the trickle chargers.

Perfect for motorcycle and engine start batteries commonly used in power sports equipment. Various charging algorithms are available to accommodate and maintain a wide range of lead acid battery styles from flooded, seals, maintenance free, VRLA an Gel to AGM.



What does the **Battery Fighter®** Series mean to you??
A BATTERY WITH LONGER LIFE AND LESS MAINTENANCE THAT IS ALWAYS READY TO GO WHEN YOU ARE!!

**Battery
Fighter®**



Battery Fighter®

- ✓ Automatically complete 4-Step Constant Current Charging Program :
 1. Qualification: ensures safety by verifying battery status prior to charging.
 2. Bulk Charge: raises battery voltage to 14.4 VDC (12-volt model) and 7.2 VDC (6-volt model);
 3. Absorption Charge: holds voltage at 14.4 VDC (12-volt model) and 7.2 VDC (6-volt model) and forces current to fully charge the battery.
 4. Float Charge: maintain fully charged battery at 13.2 VDC (12-volt model) and 6.6 VDC (6-volt model).
- ✓ Temperature compensated to ensure optimum charge voltage according to ambient temperature.
- ✓ Build in 72 hour timer will protect battery from over charging.
- ✓ Reverse Polarity Protection to ensure user safety.
- ✓ Spark-proof.

Battery Fighter® Junior

- ✓ Automatically complete 3-Step Constant Current Charging Program :
 1. Qualification: ensures safety by verifying battery status prior to charging.
 2. Bulk Charge: raises battery voltage to 14.4 VDC (12-volt model) and 7.2 VDC (6-volt model);
 3. Float Charge: maintain fully charged battery at 13.2 VDC (12-volt model) and 6.6 VDC (6-volt model), and when battery voltage drops below 12.6 VDC (12-volt model) and 6.3 VDC (6-volt model), charger resumes charging back to 14.4 VDC (12-volt model) and 7.2 VDC (6-volt model).
- ✓ Solid state two color LED indicates state of charger.
- ✓ Reverse Polarity Protection to ensure user safety.
- ✓ Spark-proof.

**Battery
Fighter®
Junior**



www.batteryfighter.com

SPECIFICATIONS



Battery Fighter®



Battery Fighter® Junior

Part Number:	BFA-012-230	BFA-006-230	BFJ-012-230	BFJ-006-230
Warranty	3 Years	3 Years	3 Years	3 Years
Nominal Output:				
Voltage:	12 Volts	6 Volts	12 Volts	6 Volts
Current:	1.25 Amps	1.25 Amps	0.75 Amps	0.75 Amps
Input Voltage:	230 - 240 VAC	230 - 240 VAC	230 - 240 VAC	230 - 240 VAC
Input Frequency:	50 Hz	50 Hz	50 Hz	50 Hz
Maximum Input Current:	0.14 Arms	0.09 Arms	0.09 Arms	0.05 Arms
Nominal Efficiency:	55%	55%	60%	60%
Nominal Power Factor:	0.8	0.8	0.78	0.78
Charger Output:				
Maximum Power: (+/- 3%) @ 25°C	18 Watts	9 Watts	9 Watts	5.5 Watts
Maximum Current: During Bulk Charge	1.25 Amps	1.25 Amps	0.75 Amps	0.75 Amps
Absorption Voltage:	14.4 VDC = (2.4 vpc)	7.2 VDC = (2.4 vpc)	14.4 VDC = (2.37 vpc)	7.2 VDC = (2.37 vpc)
Absorption to Float Transition:	Charge Current drops: below 0.1 Amp or Absorption Charge Duration exceeds 6 Hours, or if battery voltage does not reach Absorption Charge level within 72 hours.		Since the Battery Fighter, Junior is a 3-step charger; the absorption voltage is the switchover point from bulk charge to float charge.	
Equalization Voltage:	NA			
Float Voltage:	13.2 VDC = (2.2 vpc)	6.6 VDC = (2.2 vpc)	13.2 VDC = (2.2 vpc)	6.6 VDC = (2.2 vpc)
Charge Reset: Battery Voltage Threshold	12 to 12.5 VDC (2 to 2.08 vpc)	6 to 6.2 VDC (2 to 2.07 vpc)	12 to 12.5 VDC (2 to 2.08 vpc)	6 to 6.2 VDC (2 to 2.07 vpc)
Output Regulation:				
Line (Typical):	Less than 1%		N/A	
Electrical Isolation:				
Input / Output:	1250 VAC		3750 VAC	
Input / Chassis:	3750 VAC		3750 VAC	
Output / Chassis:	1250 VAC		250 VAC	
Operating Temp:	-20°C to 50°C			
Dimensions:	93mm x 82mm x 105mm		58mm x 50mm x 83mm	
Net Weight:	1.05 kgs		0.45kgs	
Carton Size: (12 sets/ctn)	645mm x 405mm x 280mm		460mm x 395mm x 255mm	
Shipping Weight: 17 kgs	17kgs		11kgs	
Enclosure:	Powder Coated Aluminum Chassis		94V0 Flame Retardant Plastic	
Special Features:				
Short Circuit Protection:	YES			
Reverse Polarity Protection:	YES			
Spark Proof:	YES			
Temperature Compensation:	YES= -3.5mV/ °C/Cell		NO	
Approval Agency Listings:	GS, CE			



Asia Bright Industrial (Hong Kong) Co., Ltd.

Room 601, Chao's Building,
143-145 Bonham Strand East,
Sheung Wan, Hong Kong.
Tel: (852) 2850 5052
Fax (852) 2850 5059
E-mail: sales@asiabright.com
Web page: www.batteryfighter.com
www.asiabright.com



Distributed by:



**Master
Instruments
Pty Ltd**

Sydney Head Office:

13 Sheridan Close Milperra NSW 2214
P: +61 2 9519 1200 F: +61 2 9519 4604
E: sales@master-instruments.com.au