ZIVE ZB Series
Power Boosters

- For high voltage/high current application
- Modular type design
- EIS capability
- Sine wave simulation available
- Simple operation and accurate result
- Safety features for user and instrument itself

High Power Booster
for high power electrochemical application

Boost Up Your System . . .

- Fuel Cell
- Battery
- Super Capacitor
- Corrosion
- Plating
- Bulk Electrolysis
- Electrosynthesis
- Electrodeposition

A power booster became a must have item for applications that require high power(high current and/or high voltage), such as automotive lithium batteries, super capacitors, fuel cell stacks, corrosion, electrosynthesis, plating, electrodeposition, bulk electrolysis, etc. Our new ZIVE ZB series boosters will be the best choice to meet market demand.

The ZIVE ZB series boosters are a new generation of single or multi-channel high current instrumentation and they are designed to increase the maximum current and/or maximum voltage of ZIVE series potentiostat/galvanostat.

The ZIVE ZB series boosters have full dc capabilities and are ideal for a wide range of electrochemical applications including high speed voltage/current pulse techniques. And impedance analysis techniques such as single- and multi-sine and HFR test, etc. are also available. Wide frequency ranges covering 10uHz to 1kHz(10kHz) depending on system power enables user to characterize energy storage devices and electrochemical cells over their full frequency range.

This ZIVE ZB series boosters are designed as stand alone type or rack mounted type and have multiple booster modules placed inside it. The power capability can be growing by adding module units to the existing system (factory configuration).

The ZIVE ZB series are compatible with;
- single channel instrument :
  ZIVE SP1, SP2, SP3, SP5, SP5H, SP5HC, SP10
- portable instrument :
  ZIVE PP3, ZIVE PP1e
- dual channel instrument :
  ZIVE BP2A, ZIVE BP2F
- multichannel instrument :
  ZIVE MP1, MP2A, MP2F, MP5, MP10

Specification

Housing (Size)	Model	Max. V	Max. I (>-1V or 2V)	Max. I (Bipolar)	Power Dissipation(Watt)
ZB1 (229x388x550)	ZB530B	5V		30A	450
	ZB1030U/1020B	10V	30A	20A	459/480
	ZB2015U/2010B	20V	15A	10A	409/480
	ZB408U/405B	40V	8A	5A	410/480
ZB2 (273x388x550)	ZB560B	5V		60A	900
	ZB1060U/1040B	10V	60A	40A	918/960
	ZB2035U/2020B	20V	35A	20A	955/960
	ZB4015U/4010B	40V	15A	10A	770/960
ZB3 (403x388x550)	ZB1090U/1060B	10V	90A	60A	1,377/1,440
	ZB2050U/2030B	20V	50A	30A	1,365/1,440
	ZB4025U/4015B	40V	25A	15A	1,283/1,440
ZB4 (533x388x550)	ZB1080B	10V		80A	1,920
	ZB2060U/2040B	20V	60A	40A	1,683/1,920
	ZB4030U/4020B	40V	30A	20A	1,539/1,920
ZBR2 (682x982x750)	ZB5190B	5V		190A	3,800
	ZB10160B	10V		160A	3,840
	ZB20120U/2080B	20V	120A	80A	3,480/3,840
	ZB3090U/3030B	30V	90A	30A	3,447/2,160
	ZB4070U/4035B	40V	70A	35A	3,591/3,360

Model Name ****B is for voltage bipolar type, ****U is for voltage unipolar type [minimum voltage -1V or -2V(ZB20120U)]
* Customized specification is available. Please contact WonATech sales team.

Control & Measurement	
Maximum Power Dissipation	3,840Watt
Maximum Current	200A
Minimum Frequency	10uHz
Maximum Frequency	1kHz ~ 10kHz (depending on power)
Current Range	Single
Voltage Range	Single
Input Impedance	10^{13}Ohm
Accuracy	0.05% ~ 0.1% f.s. (depending on power)
Resolution	16bit
Rise Time	5usec ~ 500usec (depending on power)
Cooling Method	Forced air flow
Data Aquisition	>50usec
* This booster needs ZIVE workstation, booster interface cable and cell cable	

The specifications are subject to change without notice.


ZB1


ZB2


ZB3


ZB4


ZBR2

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