

# PARSTAT MC BOOSTER

more.... DC and AC current



The PARSTAT MC Booster extends the already industry-leading current capability of the PMC-1000 and PMC-2000 Family of potentiostats up to 10-Amps. Three of these boosters can connect in parallel to increase to 30-Amps - or two of these boosters parallel to 20-Amps. The voltage range tests single cells, fuel cell applications, or many plating experiments. Using the same chassis as the potentiostat reduces both space and cost. Boosters can be ordered at the original purchase or easily installed at any time.

- Extends the current capability of PMC-1000 and PMC-2000 Family to  $\pm$  10-Amps
- Single-slot design maximizes space in the PARSTAT MC Chassis
- Up to three boosters can be operated in parallel to achieve  $\pm$  30-Amps
- Supports applications in cell testing, fuel cell evaluation and many plating experiments
- Installs into the PARSTAT MC Chassis in minutes with no hardware or training

The compact single-slot design increases the number of boosted channels per PARSTAT MC chassis.

Designed specifically for the PARSTAT MC system, these boosters are capable of both DC and EIS (AC) experiments and can be installed directly into the PARSTAT MC chassis alongside the PMC-1000 or PMC-2000A modules – no need for a separate chassis. Not only does this save money on your project but it also helps to reduce the overall space the system will occupy in your laboratory.

## Key Specifications

### System Performance

Compliance Voltage	-1 to +6V
Polarization Voltage	-1 to +6V
Data Acquisition Rate	Defined by Potentiostat

### Current Measurement

Maximum Current (per)	± 10 A, continuous
Maximum Current (parallel)	± 30 A, three boosters connected in parallel

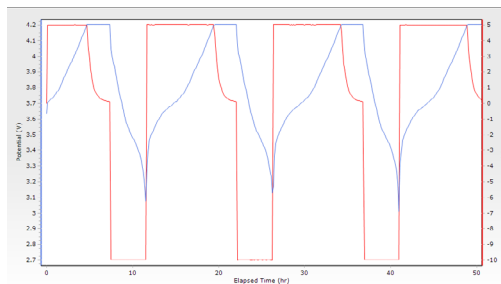
### Electrochemical Impedance Spectroscopy (EIS)

EIS Frequency Range	Defined by Potentiostat
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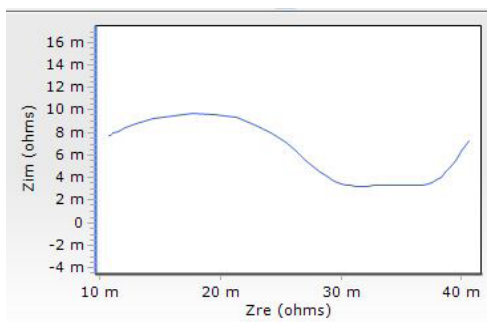
### Compatibility

Models	PMC-1000
	PMC-1000/DC
	PMC-2000A
	PMC-2000

\*Specifications subject to change.



PMC-1000 with PMC Booster for charge-discharge (CC-CV action) tests on a commercial Li-ion battery pack. Charge at +5 Amps followed by Voltage Hold (until current decays to 100 mA); followed by discharge at -10 Amps.



Galvanostatic EIS test at 7 Amps (RMS) signal on same commercial Li-ion battery pack. Data represented as Nyquist plot.

## Ordering Information

Model Number	Description
BOOSTER P10A/6V	In Chassis Booster, -1 to +6V, ±10A
234625	PMC-2000A to PMC Booster
234626	PMC-1000 to PMC Booster



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