

## EVC-10 Specifications

A 10-channel battery cyclers that recovers capacity, and balances battery pack modules. A National Instruments DAQ card enables current interrupt measurement of internal resistance, relaxation times and galvanostatic intermittent titration. Free software sorts modules for pack remanufacturing.

<b>Load</b>	
Max Load Voltage	+12V (Optional +18V)
Max Load Current	5A per channel
Number of channels	10
Applied DC Current Ranges	5A
Applied Current Accuracy	0.5% of Full scale resolution
Applied Current Resolution	0.3 mA
<b>Potential Measurement</b>	
Measured DC Potential Ranges	±20V
Resolution	0.6mV
Accuracy	0.08 or 0.03% of FSR
<b>Current Interrupt (Serial Resistance Measurement)</b>	
Minimum Sampling Interval	4us
Serial Resistance Precision	0.5%
Measurement Logging time	1 second
<b>Step Impedance Spectroscopy</b>	
Maximum Current Amplitude	5A
Minimum Sampling Interval	4us
Minimum Pulse Width	40us
<b>Data Acquisition</b>	
Acquisition Speed	500 kS/s aggregate Distributed over 1 to 10 channels
DAC Resolution	16 bits
<b>Accessories</b>	
Laptop	MS Windows
Cooling box	Accommodates up to 40 modules
Cables	10 cable sets, 11 ft
<b>Physical dimensions and weight</b>	
EVC-10: L x W x H: Weight	18" x 20" x 18": 60 lbs
Laptop	5 lbs
Cooling box: L x W x H: Weight	38" x 15" x 6": 20 lbs
10 Cables	10 lbs