

EVc-30 Specifications

A 30-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.

| Load | |
|--|---|
| Max Load Voltage | +12V (Optional +18V) |
| Max Load Current | 5A per channel |
| Number of channels | 30 |
| Applied DC Current Ranges | 5A |
| Applied Current Accuracy | 0.5% of Full scale resolution |
| Applied Current Resolution | 0.3 mA |
| Potential Measurement | |
| Measured DC Potential Ranges | ±20V |
| Resolution | 0.6mV |
| Accuracy | 0.08 or 0.03% of FSR |
| Current Interrupt (Serial Resistance Measurement) | |
| Minimum Sampling Interval | 4us |
| Serial Resistance Precision | 0.5% |
| Measurement Logging time | 1 second |
| Step Impedance Spectroscopy | |
| Maximum Current Amplitude | 5A |
| Minimum Sampling Interval | 4us |
| Minimum Pulse Width | 40us |
| Data Acquisition | |
| Acquisition Speed | 500 kS/s aggregate Distributed over 1 to 30 channels |
| DAC Resolution | 16 bits |
| Accessories | |
| Laptop | MS Windows |
| Cooling box | Accommodates up to 40 modules |
| Cables | 30 cable sets, 11 ft |
| Physical dimensions and weight | |
| EVc-30: L x W x H: Weight | 25" x 20" x 26": 170 lbs |
| Laptop | 5 lbs |
| Cooling box: L x W x H: Weight | 38" x 15" x 6": 20 lbs |
| 30 Cables | 30 lbs |