

## INFORMATION

- PartnerID = "INRIM"
- instrument = Biologic BCS-815
- fixture = welded
- Manufacturer = "Brand2"
- NomValueCap (F) = 90 Hy
- NuofSample = 3
- temperature (°C) = 23°C ± 1 °C
- Max Discharge Current (A)= 3
- Max Charge Current (A)= 1.5

## PARAMETERS

$R_{en}$  (ohm) = 0.097

$R_{ch\_dis}$  (ohm) = 0.0773

$R_{ch\_sd}$  (ohm) = 0.140

Cdis (F)= Not Evaluated

Cen (F)= 27.77

C<sub>cv</sub> (F) table

Scan rate (mV/s)	Area (mV*A)	Capacitance (F)
1	108.676	30.19
2	149.805	20.81
3	178.178	16.50

Pmax (W)= 45.59

Energy evaluated in Discharge (Wh) = 0.0429

Efficiency = Not evaluated

Cen computation values

initial\_time (s) = 1810.30809

initial\_voltage (V) = 4.10865

final\_time (s) = 1862.55609

final voltage (V) = 2.40065

ESR voltage drop values

initial\_voltage (V) = 4.20025

final voltage (V) = 4.10388

## DIAGRAMS

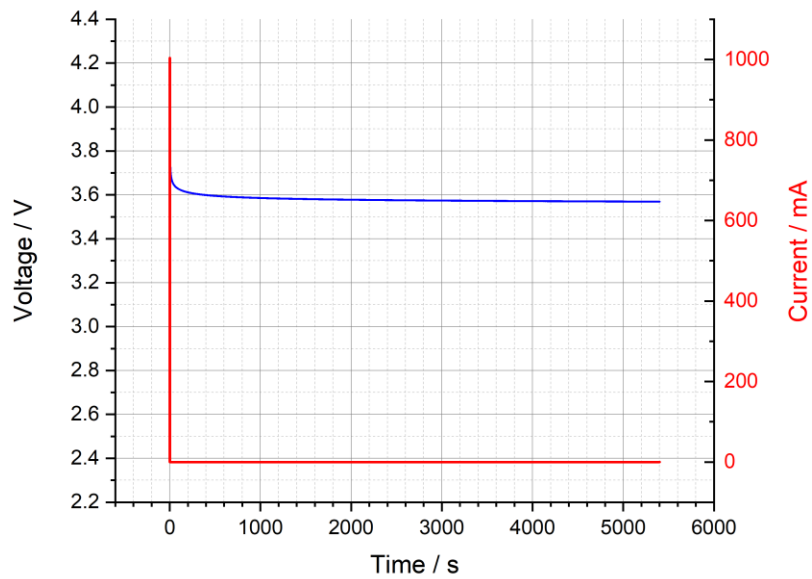


Figure 1 Charge/Self-Discharge Method 90 F Hy\_3

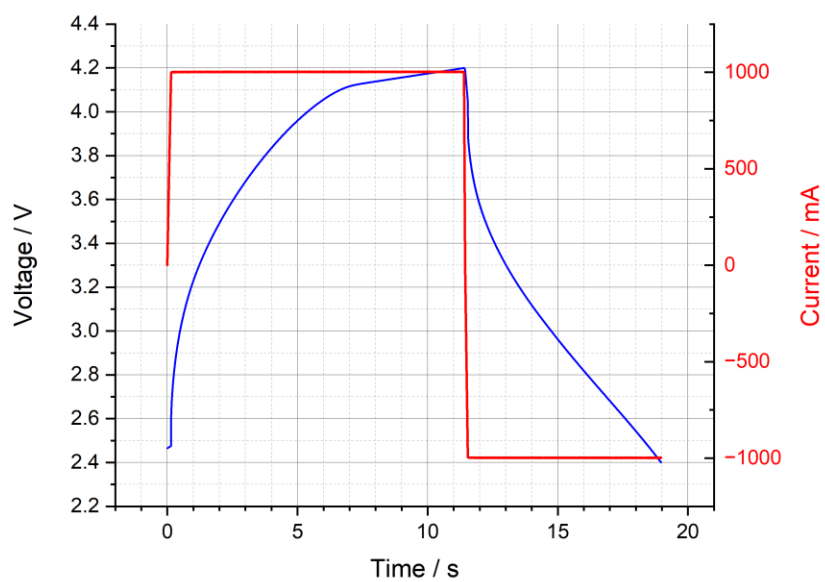


Figure 2 Charge/Discharge Method 90 F Hy\_3

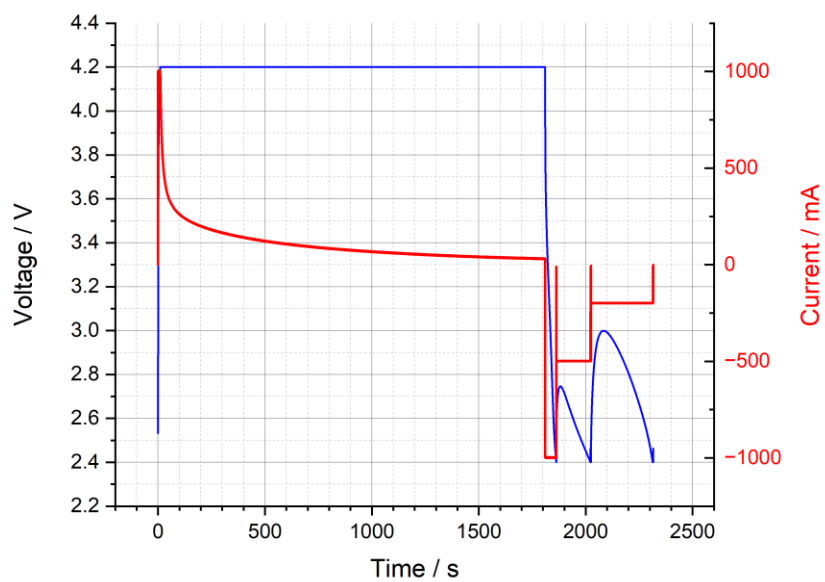


Figure 3 CCCV Method 90 F Hy\_3

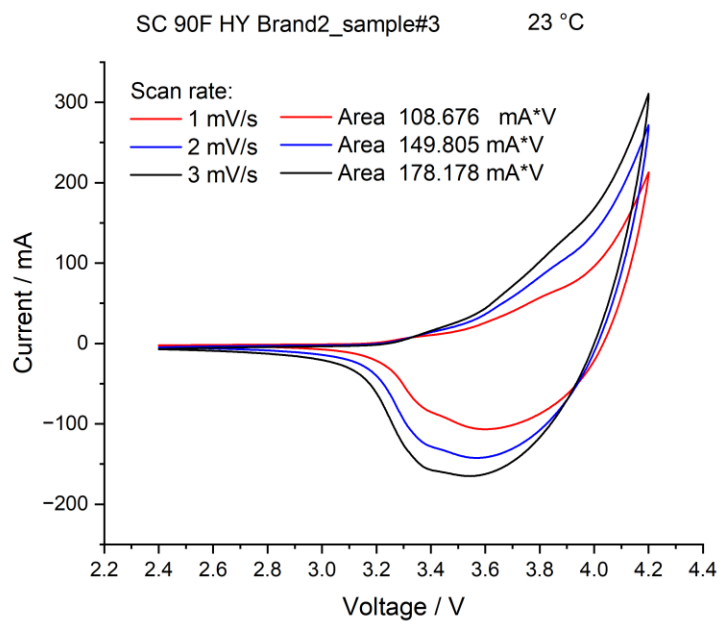


Figure 4 CV 90 F Hy\_3