**Table 2:** A summary of the equivalent circuit parameters, extracted from the model fit to ac IS response experimental data.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1 sun (at 0.5V)** | **R1 (Ω)** | **R2 (Ω)** | **C1(F)** | **C*eq*(F)** |
| As cast | 56.532 | 71.132 | 1.25 | 3.54 |
| 100°C | 51.87 | 48.041 | 1.22 | 6.10 |
| 125°C | 67.87 | 60.041 | 1.18 | 7.10 |
| 150°C | 85.88 | 75.200 | 1.01 | 8.29 |
| 175°C | 96.94 | 118.740 | 4.65 | 3.56 |