

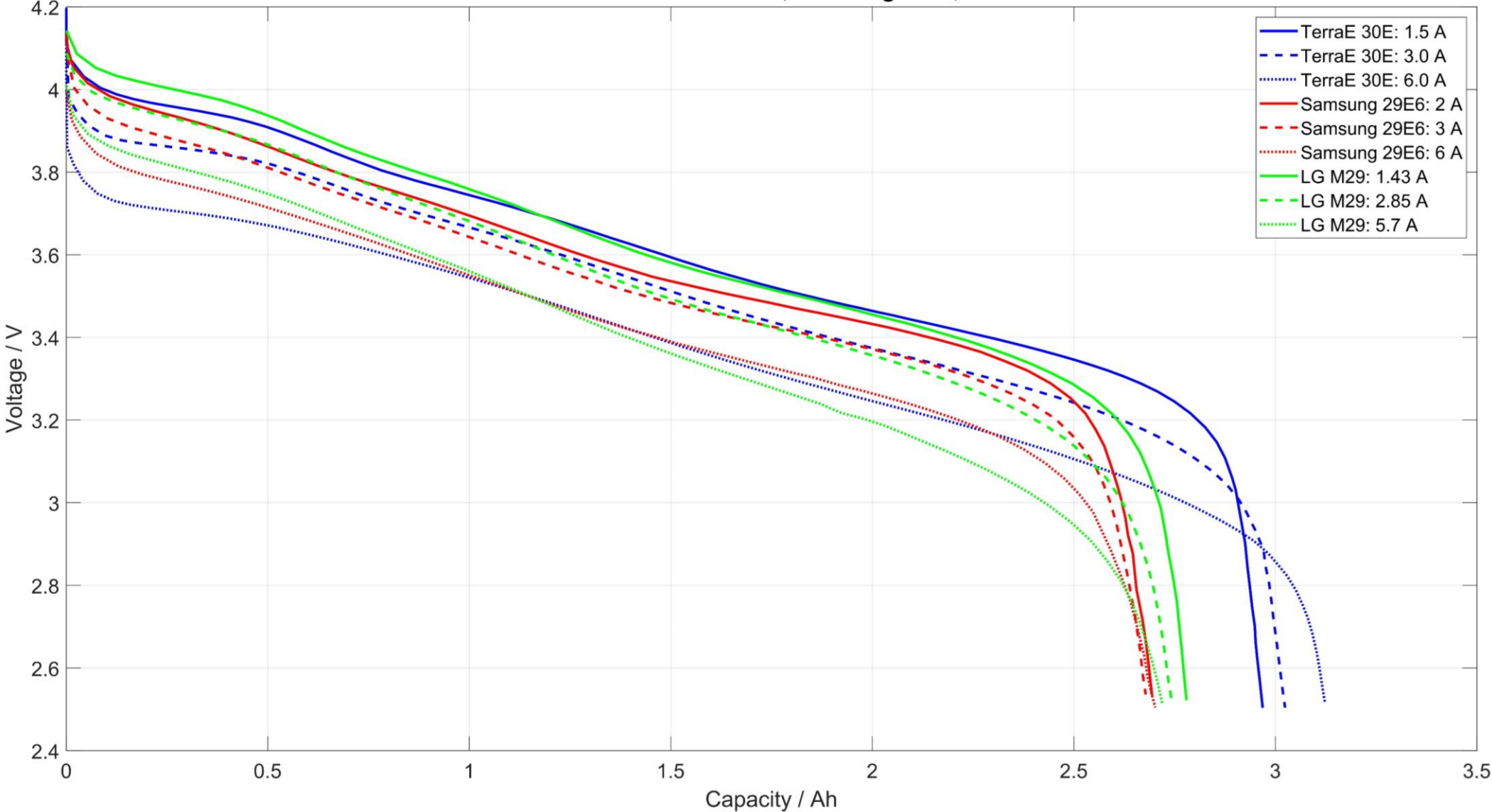
# Overview over cell specifications



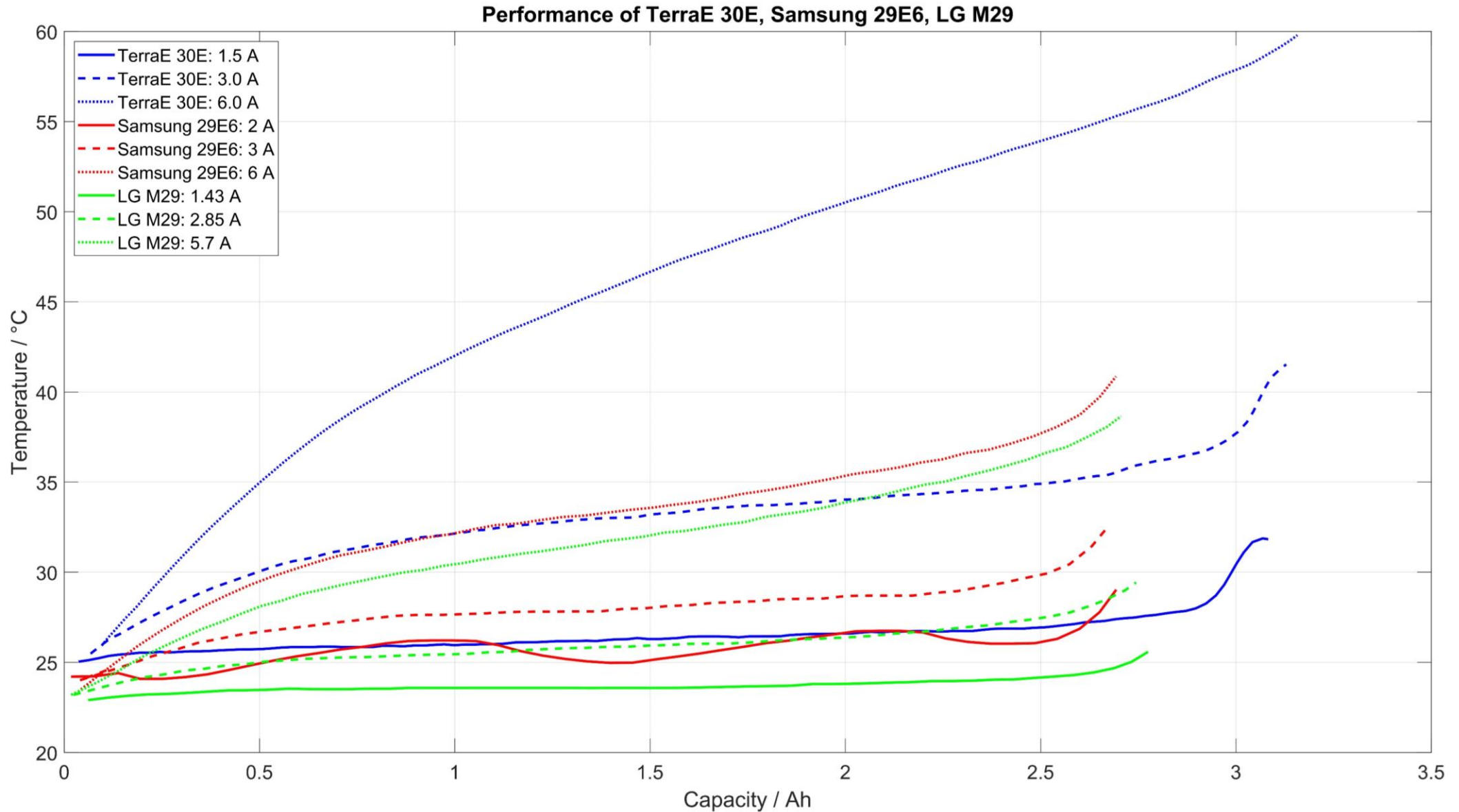
|                                    | LG 18650 M29             | SDI 18650 29E6           | TerraE 18650 30E         | MuRata 18650 NC1          |
|------------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| Minimal / Nominal capacity         | 2,75 Ah / 2,85 Ah        | 2,75 Ah / - Ah           | 2,9 Ah / 3,0 Ah          | 2,75 Ah / 2,9 Ah          |
| Voltage range                      | 2,5 – 4,2 V              | 2,5 – 4,2 V              | 2,5 – 4,2 V              | 2,5 – 4,2 V               |
| Standard / maximum charge          | 0,5 C / 1,0 C            | 0,5 C / 1,0 C            | 0,2 C / 0,3 C            | - / 1,0 C                 |
| Standard / maximum cont. discharge | - / 2,2 C                | - / 2,0 C                | 0,2 C / 2,0 C            | - / 2,8 C                 |
| Charging operating temperature     | 0 – 45°C                 | 0 – 45°C                 | 0 – 45°C                 | 0 – 45°C                  |
| Discharging operating temperature  | -10 – 55°C               | -20 – 60°C               | -20 – 55°C               | -20 – 60°C                |
| Weight                             | 43 g                     | 48 g                     | 48 g                     | 45 g                      |
| Max. dimensions                    | H: 65,2 mm<br>D: 18,4 mm | H: 65,0 mm<br>D: 18,4 mm | H: 65,6 mm<br>D: 18,6 mm | H: 65,2 mm<br>D: 18,35 mm |
| Internal resistance (1 kHz AC)     | ≤ 30 mΩ                  | ≤ 35 mΩ                  | ≤ 35 mΩ                  | ≤ 28 mΩ                   |

# Cell performance

Performance of TerraE 30E, Samsung 29E6, LG M29



# Thermal behaviour



# Cycle life

Cycle Life of TerraE 30E, Samsung 29E6, LG M29

