



Quotations and Prices – Callab PV Cells
(Current as of: August 2011)

1 - Calibration of a solar cell at AM1.5 global STC

- spectral response from the range of 300 nm to 1200 nm using the filter monochromator
- IV characteristics with indication of V_{OC} , I_{SC} , U_{MPP} , I_{MPP} , P_{MPP} , FF and η
- indication of measurement uncertainties* (U_{OC} , I_{SC} , P_{MPP} and η)

Number of cells	Price(€) each Cell
1	790.00
2	625.00
3	550.00
4	540.00
5	530.00
6	515.00
7	500.00
8	490.00
9	480.00
10 or more	470.00

2 - Spectral response of a solar cell using the filter monochromator

- spectral response from the range of 300 nm to 1200 nm
- measurement under STC with bias illumination
- filter bandwidth 5 to 15 nm depending on the wavelength

Number of cells	Price(€) each Cell
1	590.00
2	480.00
3	430.00
4	410.00
5	400.00
6	385.00
7	370.00
8	360.00
9	350.00
10 or more	340.00

3- IV characteristics of a solar cell

- IV characteristics with indication of V_{OC} , I_{SC} , U_{MPP} , I_{MPP} , P_{MPP} , FF and η
- no calibration, no indication of measurement uncertainties
- correction of spectral mismatch using the spectral response of Pos.1, if available

Number of cells	Price(€) each Cell
1	400.00
2	360.00
3	300.00
4	275.00
5	270.00
6	265.00
7	260.00
8	250.00
9	245.00
10 or more	240.00

4 - Temperature coefficients of I_{sc} and V_{oc} of a solar cell

- temperature range from 15°C to 75°C
- 4 IV characteristics (V_{oc} , I_{sc} , U_{MPP} , I_{MPP} , P_{MPP} , FF and η)
- 2 determinations of spectral response
- each 4 measuring points with linear regression
- TC including the indication of measurement uncertainties* (V_{oc} , I_{sc} , P_{MPP} , and η)
- calibration included (see pos.1)

	Price(€)
each cell	2,270.00

Additional measurements available on request.

* indication of measurement uncertainties, provided that device under test is operational for calibration process