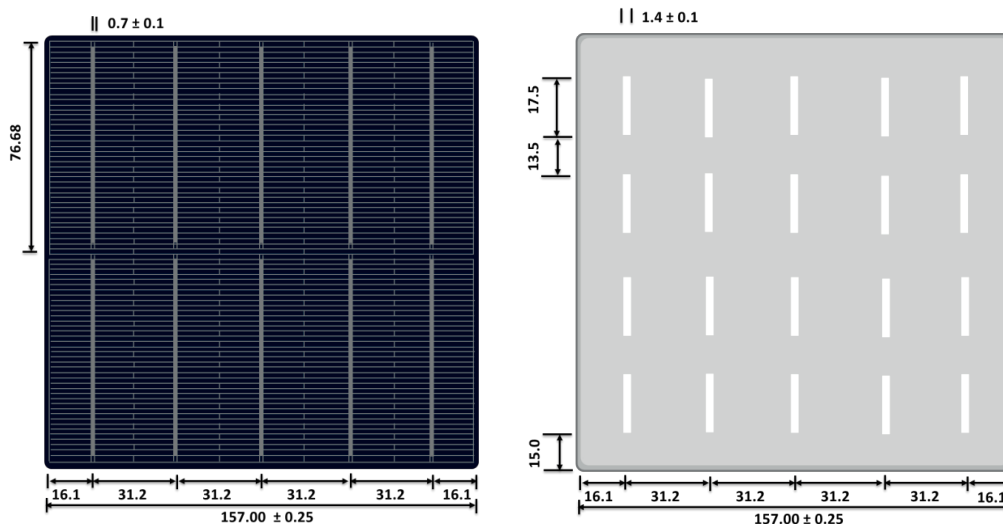


## RESERV<sup>®</sup> 625 Series L2

RIPL production processes are automated from the incoming silicon wafer inspection/classification to the final cell sorting. The surface of **RESERV 625** cells are processed through acid texturization and have an isotropically textured surface. The cells are manufactured and tested for optimum performance and processing characteristics. Our Quality Control systems include checking every cell for mechanical faults, apart from electrical performance.

### Cell Layout



Specifications are in mm

Front View

Back View

### Features

<b>Product</b>	Multi Crystalline Silicon Solar Cell
<b>Substrate</b>	P-type Multi Crystalline Silicon Wafer
<b>Device Structure</b>	n+ / p / p+
<b>Dimensions</b>	Size: 157.00mm x 157.00mm ± 0.25mm Average Thickness: 200 ± 20µm
<b>Front</b>	Blue Anti-Reflective Coating (Silicon Nitride) Acid textured surface 0.7 ± 0.1 mm Silver bus bars Negative pole (-)
<b>Back</b>	Full-surface Aluminum BSF 1.4 ± 0.1mm Silver bus bars Positive pole (+)

 **High Conversion Efficiency**

 **Good Color Uniformity**

 **Statistical Process Control**

 **On the fly 100 % EL testing**

 **Focused in house R & D**

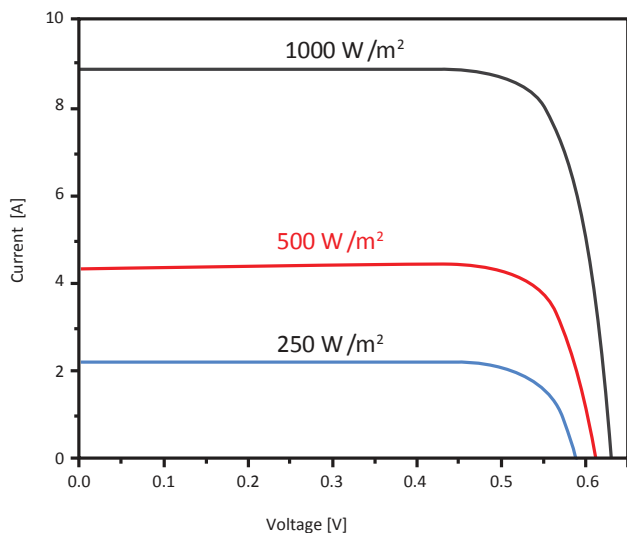
 **ISO 9001, OHSAS 18001 certified**

## Electrical Data \*

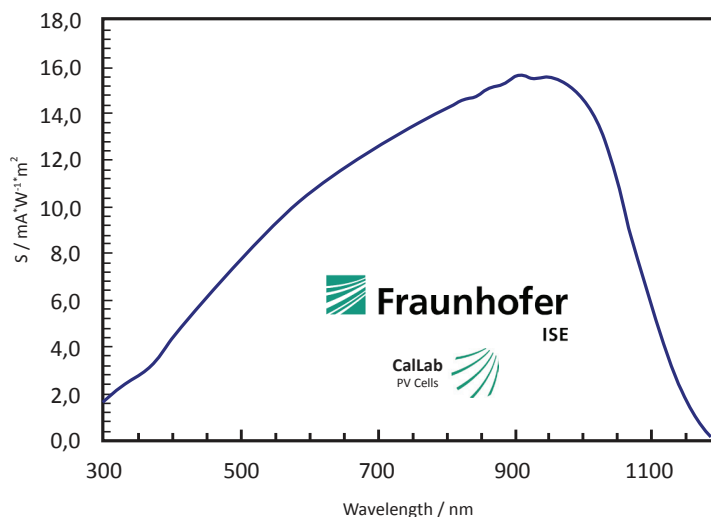
Part No	Class	Efficiency Range (%)	Rated Power (Wp)	Max. Power Current $I_{mpp}$ (A)	Short Circuit Current $I_{sc}$ (A)	Max. Power Voltage $V_{mpp}$ (V)	Open Circuit Voltage $V_{oc}$ (V)	Fill Factor (%)
RESERV-625L2-1800	180	18.00 - 18.10	4.44	8.26	8.80	0.538	0.629	80.21
RESERV-625L2-1790	179	17.90 - 18.00	4.41	8.23	8.78	0.536	0.626	80.20
RESERV-625L2-1780	178	17.80 - 17.90	4.39	8.22	8.77	0.534	0.625	80.05
RESERV-625L2-1770	177	17.70 - 17.80	4.36	8.21	8.74	0.531	0.624	79.94
RESERV-625L2-1760	176	17.60 - 17.70	4.34	8.20	8.72	0.529	0.623	79.88
RESERV-625L2-1750	175	17.50 - 17.60	4.31	8.17	8.70	0.528	0.621	79.84
RESERV-625L2-1740	174	17.40 - 17.50	4.29	8.15	8.67	0.526	0.620	79.75
RESERV-625L2-1730	173	17.30 - 17.40	4.27	8.14	8.65	0.524	0.619	79.64
RESERV-625L2-1720	172	17.20 - 17.30	4.24	8.13	8.64	0.521	0.617	79.48
RESERV-625L2-1710	171	17.10 - 17.20	4.21	8.11	8.59	0.518	0.617	79.23
RESERV-625L2-1700	170	17.00 - 17.10	4.19	8.10	8.57	0.517	0.617	79.18

\* Standard test Conditions: AM 1.5, 1000 w/m<sup>2</sup>, 25° C (Accuracy is ± 1.5% rel.)

## IV Curve



## Spectral Response



## Temperature Coefficients

Voltage: - 0.3190 % / K

Current: + 0.0485 % / K

Power: -0.3854 % / K

## Process Recommendation

Solder Joint: Copper ribbons coated with 15-30 μm of Sn/Pb (60%/40%).

Soldering results may differ due to different flux, ribbons, soldering methods and parameters.