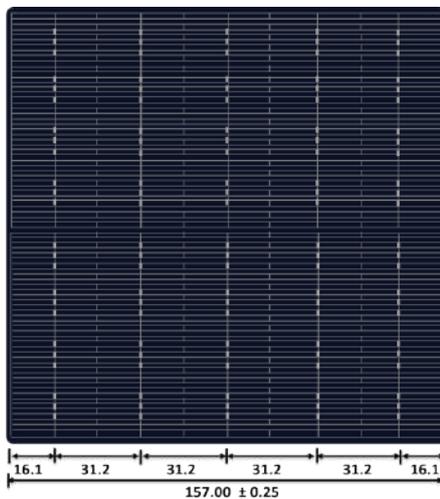


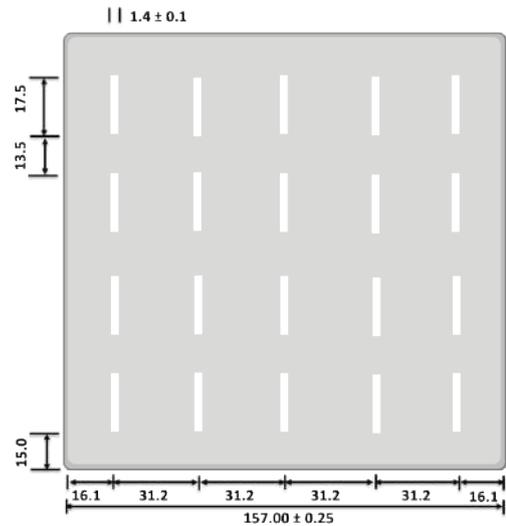
RESERV[®] 625 Series L2

RenewSys **RESERV 625** PV 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. Our 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.

Cell Layout



Front View



Back View

Specifications are in mm

Features

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

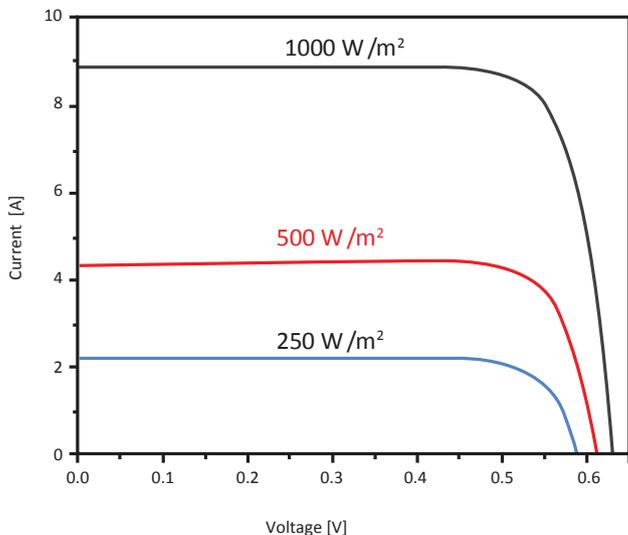
 **ISO 9001, OHSAS 18001 certified**

Electrical Data*

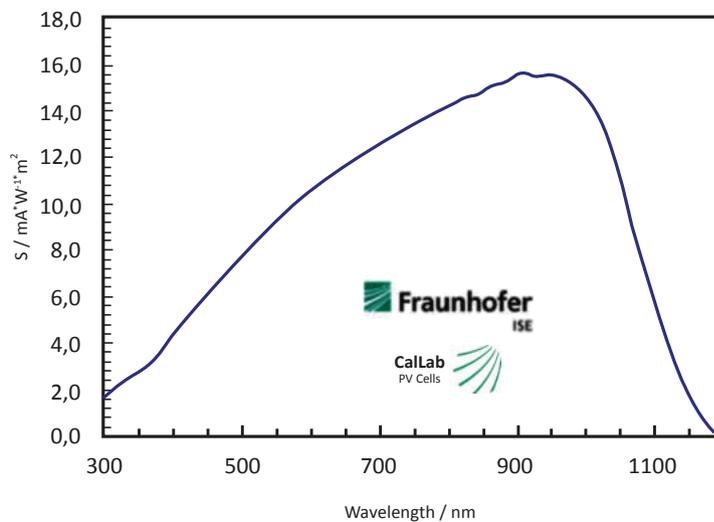
Part No	Class	Efficiency Range (%)	Rated Power (Wp)	Max. Power Current I_{mpp} (A)	Short Circuit Current I_{sc} (A)	Max. Power Voltage V_{mpp} (V)	Open Circuit Voltage V_{oc} (V)	Fill Factor (%)
RESERV-625L2-1900	190	19.00 - 19.10	4.68	8.47	8.93	0.553	0.643	81.55
RESERV-625L2-1890	189	18.90 - 19.00	4.66	8.47	8.93	0.550	0.642	81.08
RESERV-625L2-1880	188	18.80 - 18.90	4.63	8.45	8.92	0.548	0.641	80.89
RESERV-625L2-1870	187	18.70 - 18.80	4.61	8.43	8.90	0.546	0.640	80.78
RESERV-625L2-1860	186	18.60 - 18.70	4.58	8.41	8.89	0.545	0.639	80.69
RESERV-625L2-1850	185	18.50 - 18.60	4.56	8.39	8.87	0.543	0.637	80.60
RESERV-625L2-1840	184	18.40 - 18.50	4.54	8.37	8.85	0.541	0.636	80.50
RESERV-625L2-1830	183	18.30 - 18.40	4.51	8.35	8.83	0.539	0.635	80.40
RESERV-625L2-1820	182	18.20 - 18.30	4.49	8.33	8.82	0.538	0.633	80.29
RESERV-625L2-1810	181	18.10 - 18.20	4.46	8.32	8.82	0.536	0.632	79.99
RESERV-625L2-1800	180	18.00 - 18.10	4.44	8.30	8.83	0.534	0.631	79.46

* Standard test Conditions: AM 1.5, 1000 w/m², 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.

RenewSys India Private Limited, Plot # 6, Survey # 114/P, Fab City, Sri Nagar Village, Maheswaram Mandal, Hyderabad, India - 501 359.
Tel: +91- 40-6730 3000; Fax: +91- 40-6730 3003; Email: renewsys@renewsysindia.com; Web: www.renewsysworld.com

Due to continuous product updation, specifications may change without notice. Kindly refer to the website for updated details and latest information.