

**40W-340W**  
POWER OUTPUT RANGE

## POLY CRYSTALLINE CUT CELL SERIES



### Warranty :

- 10 Years Limited Product Warranty
- 25 Years Limited Power Output Warranty
- Minimum 90% at the end of 10 years
- Minimum 80% at the end of 25 years

### Key Features

- Designed with new generation PERC Technology
- Higher cell Efficiency than conventional Polycrystalline cells
- More Power Output per Sq. meter
- Outstanding Low Light and Longer wavelength performance
- Lower temperature co-efficient
- Only positive power output tolerance
- Designed for 1500V System

# POLY CRYSTALLINE CUT CELL MODULE DATA SHEET

Product Portfolio	PV Model	Open Circuit Voltage	Rated Voltage	Rated Current	Short Circuit Current	Module Efficiency	Module Fill Factor	Module Weight	Module Dimensions (mm)		
	Watts	Voc	Vmp	Imp	Isc	%	FF	Kg	L	W	H
12 Volt Series	ECE-40	22.75	19.48	2.05	2.23	20.39	78.84	3.3	428	670	35
	ECE-55	22.97	19.76	2.78	3.04	22.06	78.69	4.3	546	670	35
	ECE-80	22.75	19.48	4.11	4.33	22.49	81.26	6.00	775	670	35
	ECE-110	22.97	19.76	5.57	5.88	23.97	81.41	7.75	1010	670	35
	ECE-115	22.53	19.32	5.95	6.46	22.46	79.05	8.48	1010	670	35
	ECE-120	22.75	19.48	6.16	6.49	23.44	81.31	8.48	1010	670	35
	ECE-125	23.08	19.87	6.29	6.65	24.41	81.44	8.48	1010	670	35
24 Volt Series	ECE-220	45.936	39.528	5.57	5.88	16.78	81.42	15.00	1336	990	35
	ECE-225	46.37	39.89	5.64	5.95	17.16	81.51	15.00	1336	990	35
	ECE-240	45.43	38.95	6.16	6.49	16.41	81.43	16.50	1490	990	35
	ECE-250	46.15	39.74	6.29	6.65	17.09	81.52	16.50	1490	990	35
48 Volt Series	ECE-270	76.29	65.07	4.15	4.41	16.71	80.26	18.50	1645	990	35
	ECE-275	76.71	65.65	4.19	4.44	17.02	80.76	18.50	1645	990	35
	ECE-280	77.12	66.36	4.22	4.47	17.33	81.24	18.50	1645	990	35
	ECE-315	90.72	77.78	4.05	4.36	16.32	79.64	21.80	1965	990	35
	ECE-325	91.70	78.32	4.15	4.42	16.83	80.19	21.80	1965	990	35
	ECE-330	92.30	78.59	4.20	4.45	17.09	80.36	21.80	1965	990	35
	ECE-335	92.44	79.64	4.21	4.46	17.35	81.55	21.80	1965	990	35
	ECE-340	93.32	80.62	4.22	4.47	17.61	81.84	21.80	1965	990	35

All Data refers to STC (AM 1.5, 1000 W/m<sup>2</sup>, 25°C)

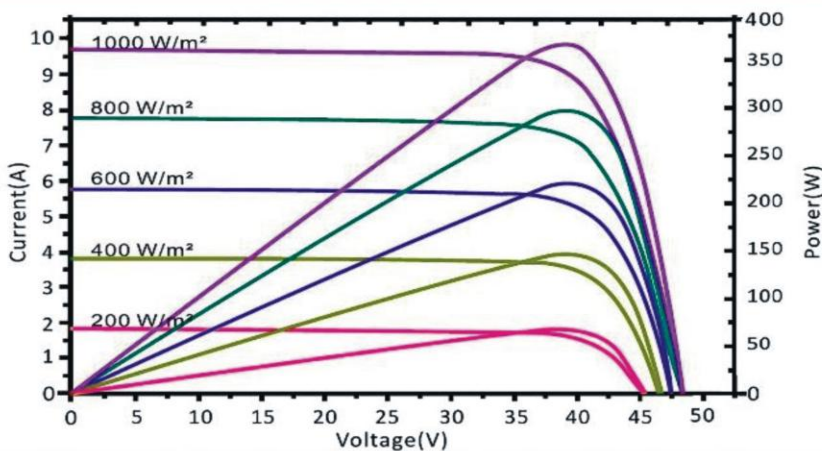
Temperature Co-efficient for Voc/° C (β) = -0.38%, Isc/° C (α) = 0.06%, Power/° C (?) = -0.39%

NOCT : 45°C ± 2°C at 800 W/m<sup>2</sup>, AM 1.5, wind 1 m/s, Temp. 20°C

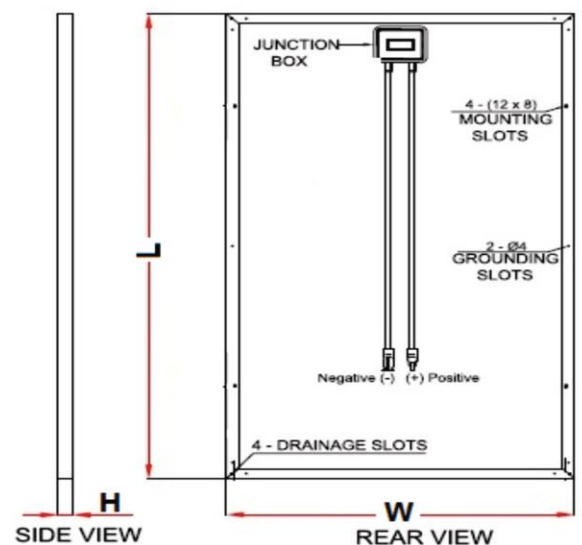
Operating Conditions: - 40 C to + 85 C at 85% RH

Maximum Load Condition: Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m<sup>2</sup>)

## I-V Characteristics at different Irradiations



## Module Dimensions



Note: All the parameters are nominal unless and otherwise specified, and are for reference purpose only. Company reserves the rights to change the specifications without prior notice.

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