

## Solar Panel Selector Guide

### Technologies

- Mono-crystalline
- Multi-crystalline

### Product Range

20W to 230W panel

### Qualification

Certified IEC61215 - TUV  
Certified Safety Class II – TUV  
UL-1703 – CSA & ASU (under process)



### Facilities

- Cell Tester
- Tabbing Machine
- Pulling Force Testing
- Glass Washing
- Lay-up Machine
- Laminator
- Framing Machine
- Simulator + Hi-Pot Tester
- Environment Tester



### Features

- By-Pass diode attached to minimize power reduction
- Optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor
- IP65 rated junction box with professional PV connection system

Modules will maintain 90% of min specification performance for the first 10 years.  
Modules will maintain 80% of min specification performance for subsequent 15 years.

### Applications

The Panels are suitable for on or off grid applications, rural and industrial applications. Industrial applications include remote monitoring systems, low power LED based warning displays and pumping installations.

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### Mono-Crystalline Cell

Part No	Pmax (W)	Vpm	Ipmp (A)	Voc	Isc (A)	ηm (%)	Dimensions (mm)	Weight (kg)
LM020AA00	20	18.00	1.17	19.90	1.63	7.21	777x357x28	3
LM030AA00	30	18.00	1.67	19.20	1.69	16.00	760x360x25	
LM040AA00	40	18.00	2.20	22.50	2.40	16.00	835x420x25	
LM050AA00	50	24.00	2.08	26.00	2.23	16.20	685x670x35	
LM060AA00	60	18.00	1.67	37.20	1.69	16.00	760x680x35	
LM065AA00	65							
LM070AA00	70	17.90	3.92	21.24	4.58	10.80	1206x539x38.1	8.2
LM075AA00	75	17.82	4.21	21.60	4.79	11.50	1206x539x38.1	8.2
LM080AA00	80	17.86	4.50	21.96	5.06	12.30	1206x539x38.1	8.2
LM085AA00	85	17.90	4.75	22.03	5.17	13.10	1206x539x38.1	8.2
LM090AA00	90	18.60	4.84	22.39	5.22	13.80	1206x539x38.1	8.2

Part No	Pmax (W)	Vpm	Ipmp (A)	Voc	Isc (A)	ηm (%)	Dimensions (mm)	Weight (kg)
LM160AA00	160	35.71	4.50	43.92	1.63	7.21	1580x809x38.1	14.9
LM165AA00	165	35.50	4.65	43.90	1.69	16.00	1580x809x38.1	14.9
LM170AA00	170	35.90	4.74	44.10	2.40	16.00	1580x809x38.1	14.9
LM175AA00	175	35.92	4.88	44.40	2.23	16.20	1580x809x38.1	14.9
LM180AA00	180	35.94	5.03	44.70	1.69	16.00	1580x809x38.1	14.9

### Poly-Crystalline Cell

Part No	Pmax (W)	Vpm	Ipmp (A)	Voc	Isc (A)	ηm (%)	Dimensions (mm)	Weight (kg)
LM115BB00	115.00	17.04	6.75	21.56	7.40	11.80	1466x660x38.1	11.8
LM120BB00	120.00	17.39	6.93	21.60	7.62	12.40	1466x660x38.1	11.8
LM125BB00	125.00	17.05	7.34	21.88	7.86	12.90	1466x660x38.1	11.8
LM130BB00	130.00	17.64	7.37	21.99	7.86	13.40	1466x660x38.1	11.8

Part No	Pmax (W)	Vpm	Ipmp (A)	Voc	Isc (A)	ηm (%)	Dimensions (mm)	Weight (kg)
LM160BB00	160.00	23.18	6.93	28.80	7.62	12.30	1309x990x38.1	14.9
LM165BB00	165.00	23.28	7.09	28.80	7.52	12.70	1309x990x38.1	14.9
LM170BB00	170.00	23.39	7.25	29.04	7.76	13.10	1309x990x38.1	14.9
LM175BB00	175.00	23.86	7.34	29.30	7.87	13.50	1309x990x38.1	14.9
LM180BB00	180.00	24.33	7.43	29.56	7.97	13.80	1309x990x38.1	14.9

Part No	Pmax (W)	Vpm	Ipmp (A)	Voc	Isc (A)	ηm (%)	Dimensions (mm)	Weight (kg)
LM200BB00	200.00	28.44	7.04	36.24	7.62	12.40	1626x990x38.1	24.3
LM205BB00	205.00	28.35	7.24	36.42	7.77	12.70	1626x990x38.1	24.3
LM210BB00	210.00	28.97	7.25	35.90	7.76	13.05	1626x990x38.1	24.3
LM215BB00	215.00	28.55	7.54	36.72	8.00	13.40	1626x990x38.1	24.3
LM220BB00	220.00	30.20	7.32	36.90	7.85	13.67	1626x990x38.1	24.3
LM225BB00	225.00	28.44	7.92	37.08	8.27	14.00	1626x990x38.1	24.3
LM230BB00	230.00	30.96	7.43	36.95	7.97	14.28	1626x990x38.1	24.3

Specifications may be subject to change without notice