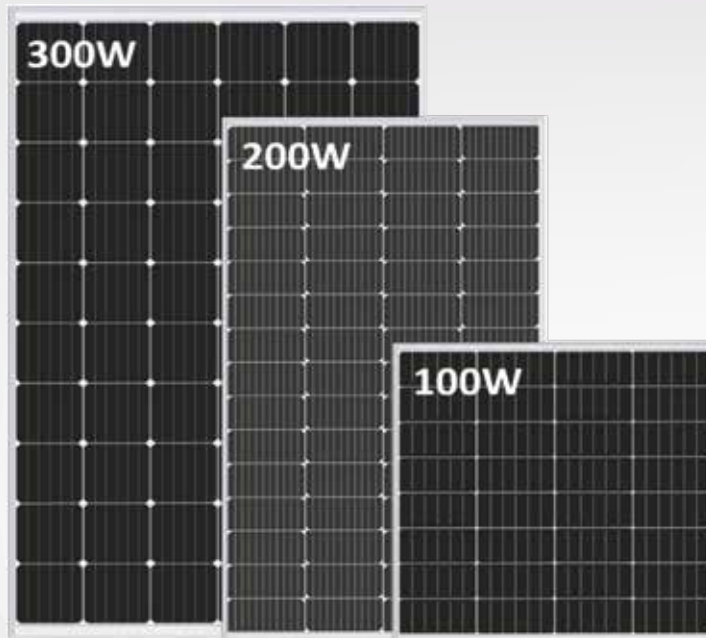
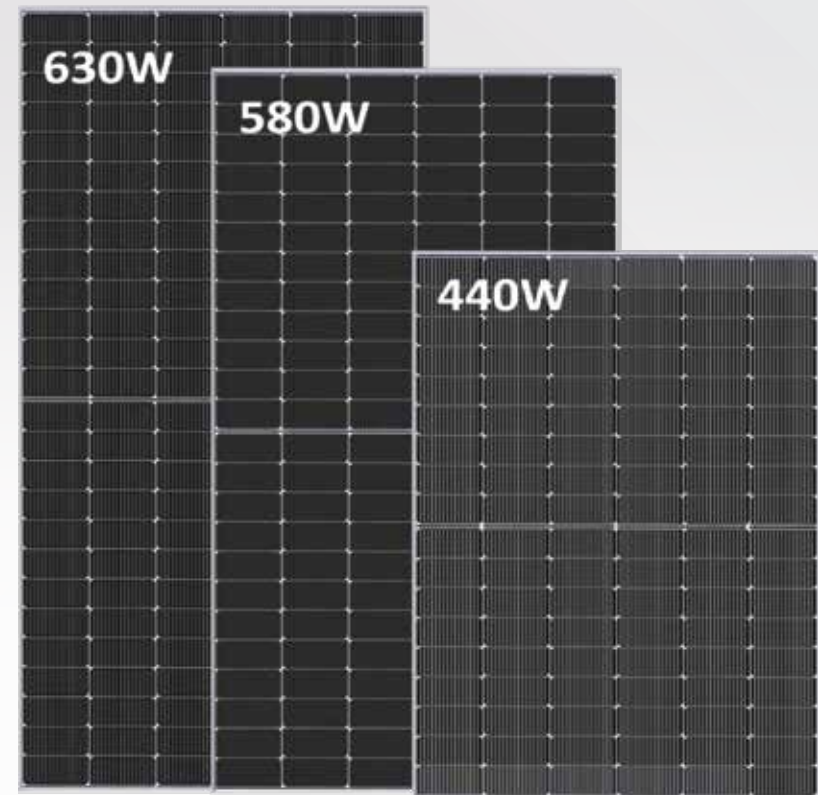


Solar PV Modules



Solar Home System & Residential

Solar Modules
(15Wp - 370Wp)



Commercial & Industrial

Solar Modules
(370Wp - 630Wp)

Omera Renewable Energy Limited | Radiant Alliance Limited
Concerns of  East Coast Group

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Omera
SOLAR

Solar PV Module Specifications

Module	15W	50W	70W	100W	120W	165W	200W	220W	250W	300W	370W	440W	580W	630W
Open Circuit Voltage, Voc(V)	10.72	21.85	21.85	21.85	21.76	22.01	48.68	41.04	44.22	41.02	48.96	38.81	51.48	55.81
Short Circuit Current, Isc(A)	2.05	3.22	4.47	6.72	6.75	10.05	5.15	6.70	7.05	9.81	9.64	13.71	13.67	13.70
Maximum Power Voltage, Vmp(V)	9.1	17.51	17.51	17.41	18.88	17.45	41.48	35.04	37.62	32.85	41.04	34.13	45.07	48.91
Maximum Power Current, Imp(A)	1.7	2.96	4.06	5.85	6.37	9.51	4.84	6.30	6.66	9.16	9.06	12.90	12.87	12.89
Maximum Series Fuse Rating	10 A	10 A	10 A	10 A	15 A	10 A	15 A	15 A	15 A	15 A	15 A	25 A	30 A	30 A
Junction Box	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP67	IP67	IP67	IP68	IP68	IP68
Cable Cross Section Size	N/A	N/A	N/A	N/A	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²	4mm ²
Maximum System Voltage	1000VDC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1500V DC	1500V DC	1500V DC
Temperature Coefficient of Pmax	-0.38%/K	-0.38%/K	-0.38%/K	-0.38%/K	-0.39%/K	-0.38%/K	-0.39%/K	-0.39%/K	-0.38%/K	-0.38%/K	-0.38%/K	-0.32%/K	-0.32%/K	-0.32%/K
Temperature Coefficient of Voc	-0.36%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.33%/K	-0.36%/K	-0.33%/K	-0.33%/K	-0.36%/K	-0.36%/K	-0.36%/K	-0.26%/K	-0.26%/K	-0.26%/K
Temperature Coefficient of Isc	0.07%/K	0.07%/K	0.07%/K	0.07%/K	0.06%/K	0.07%/K	0.06%/K	0.06%/K	0.07%/K	0.07%/K	0.07%/K	0.045%/K	0.045%/K	0.045%/K
Solar Cell	PERC	PERC	PERC	PERC	PERC	PERC	PERC	PERC	PERC	PERC	PERC	TOPCon	TOPCon	TOPCon
Cell's Busbar	5BB	5BB	5BB	5BB	10BB	5BB	10BB	10BB	5BB	5BB	5BB	16BB	16BB	16BB
Cell Orientation	2X16	4X8	4X8	4X8	4X8	4X8	4X18	4X15	6X11	6X10	6X12	6X18	6X24	6X26
Aea (sqm)	0.110	0.311	0.402	0.592	0.604	0.867	1.025	1.101	1.294	1.648	1.916	1.952	2.583	2.795
Weight (kg)	1.8	3.3	4.5	6	7	9	11	12	14	17.5	21	22~26	27~32	28.5~34
Panel Dimensions (mm) L x W x H	315x350x25	475x655x25	655x615x25	905x655x30	790x765x35	1325x655x30	1340x765x35	1440x765x32	1320x981x30	1665x990x40	1954x981x40	1722x1134x30	2278x1134x30	2465x1134x30
No of PV Modules Per Pallet	600 Pcs	200 Pcs	100 Pcs	90 Pcs	60 Pcs	60 Pcs	47 Pcs	47 Pcs	36 Pcs	28 Pcs	28 Pcs	36 Pcs	36 Pcs	36 Pcs
Packaging 20' container	8 Pcs	8 Pcs	12 Pcs	8 Pcs	14 Pcs	8 Pcs	8 Pcs	8 Pcs	16 Pcs	12 Pcs	10 Pcs	12 Pcs	10 Pcs	8 Pcs
Packaging 40' container	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs	8 Pcs
STC During Testing	1000 (W/m2) 1.5AM 25°C													
Opering Temperature	-40°C, +85°C													
NOCT	45±2°C													