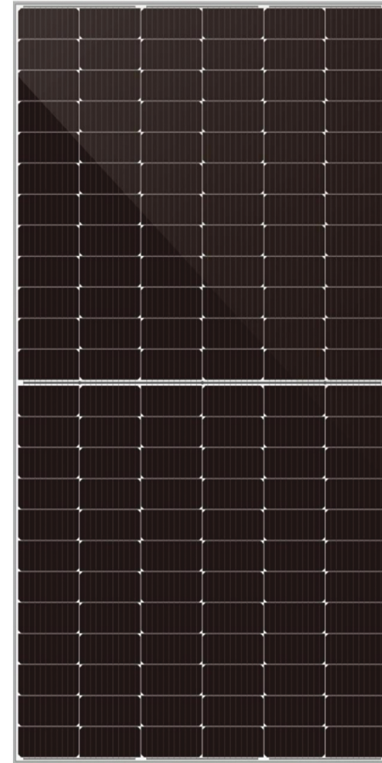


PERC SOLAR PANEL

Half Cell Monocrystalline Module

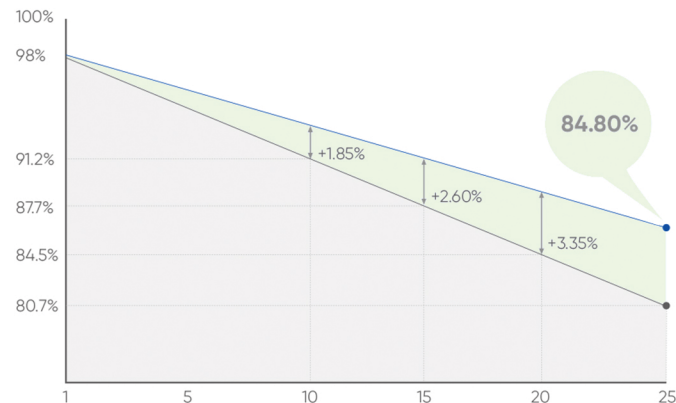
370W - 670W

Single Glass/Bifacial Dual Glass



Quality Guarantee

12-Year Warranty for Materials and Processing
25-Year Warranty for Extra Linear Power Output



High Power up to 670W

Large area cells based on 166mm/182mm/210mm silicon wafers,
High module efficiency with high density interconnect technology

High Energy Yield

Excellent low irradiation performance,
Lower temperature coefficient and operating temperature

High Reliability

Resistant to harsh environments such as salt, ammonia, sand,
high temperature and high humidity areas

High Customer Value

Lowest guaranteed first year and annual degradation,
Compatible with existing mainstream system components

Complete System & Product Certifications

IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

ISO 14001: 2015 Environmental management systems

ISO 45001: 2018 Occupational health and safety management systems

IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval

Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H	2279 x 1134 x 35mm
Weight	28.0kg
Front Side Glass	High transparency solar glass 3.2mm
Backsheet	White
Frame	Black/Silver, anodized aluminium alloy
Junction Box	IP68 Rated, 3 Diodes
Cable	4.0mm ² , Portrait: 300mm / Landscape: 1400mm
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible

* Please check the installation manual for more details

Electrical Specification (STC*)

	BRM-540	BRM-545	BRM-550	BRM-555	BRM-560
Maximum Power (Pmax/W)					
Maximum Power Voltage (Vmp/V)	42.06	42.35	42.64	42.93	43.22
Maximum Power Current (Imp/A)	12.84	12.87	12.90	12.93	12.96
Open Circuit Voltage (Voc/V)	49.75	49.98	50.22	50.45	50.68
Short Circuit Current (Isc/A)	13.63	13.66	13.70	13.73	13.76
Module Efficiency (%)	21.1	21.3	21.5	21.7	21.9
Power Output Tolerance (W)			0~+5		

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Electrical Specification (NMOT*)

Maximum Power (Pmax / W)	408.6	412.4	416.2	420.0	423.8
Maximum Power Voltage (Vmp / V)	39.01	39.28	39.55	39.82	40.09
Maximum Power Current (Imp / A)	10.47	10.50	10.52	10.55	10.57
Open Circuit Voltage (VOC / V)	46.96	47.18	47.40	47.62	47.85
Short Circuit Current (Isc / A)	10.92	10.94	10.97	10.99	11.02

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

Temperature Ratings

NMOT (Nominal Module Operating Temperature)	43±2°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.36%/°C