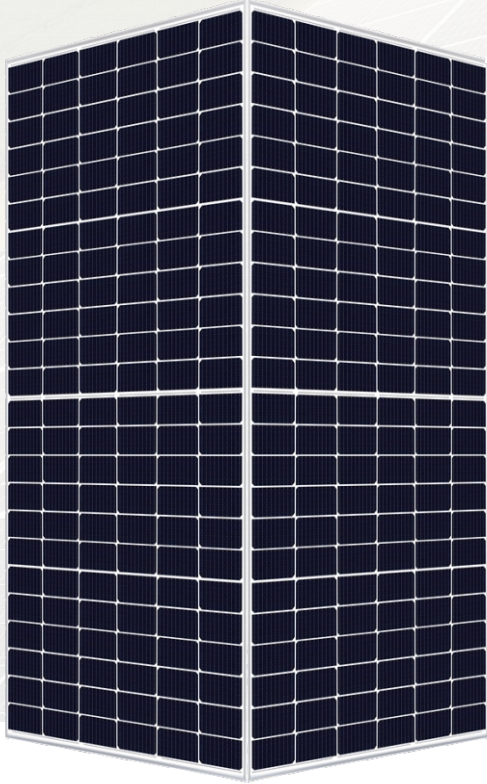


HIGH PERFORMANCE BIFACIAL PERC MONOCRYSTALLINE MODULE



ASM144-9-530BMDG-550BMDG

144 CELL Mono PERC Module	530-550Wp Power Output Range
1500VDC Maximum System Voltage	21.3% Maximum Efficiency

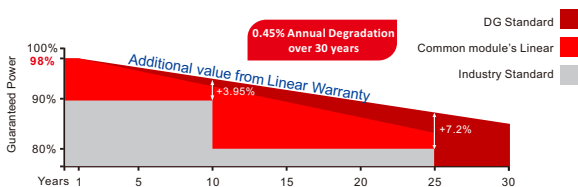
KEY SALIENT FEATURES

- Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing
- Bifacial technology enables additional energy harvesting from rear side (up to 30%)
- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive power tolerance of 0~+3%
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces string mismatch losses
- Excellent wind load 2400Pa & snow load 5400Pa under certain installation method
- Comprehensive product and system certification
 - ◆ IEC61215:2016; IEC61730-1/-2:2016;
 - ◆ ISO 9001:2015 Quality Management System
 - ◆ ISO 14001:2015 Environmental Management System
 - ◆ ISO 45001:2018 Occupational Health and Safety Management System

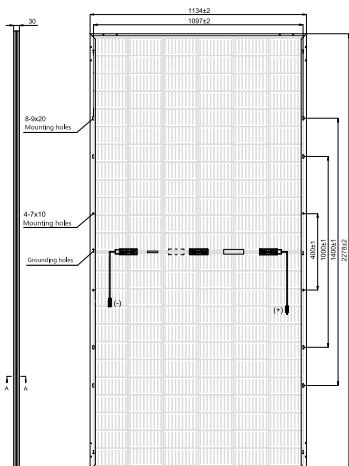


LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 30 year Linear Power Warranty



Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	ASM144-9-530BMDG	ASM144-9-535BMDG	ASM144-9-540BMDG	ASM144-9-545BMDG	ASM144-9-550BMDG
Rated Power in Watts-Pmax(Wp)	530	535	540	545	550
Open Circuit Voltage-Voc(V)	49.40	49.50	49.60	49.70	49.80
Short Circuit Current-Isc(A)	13.55	13.64	13.73	13.84	13.94
Maximum Power Voltage-Vmpp(V)	41.75	41.87	41.99	42.11	42.20
Maximum Power Current-Imp(A)	12.70	12.79	12.88	12.96	13.04
Module Efficiency (%) *	20.5	20.7	20.9	21.1	21.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Bifacial factor: 70%±5 * Module Efficiency (%): Round-off to the nearest number

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	583	589	594	600	605
Open Circuit Voltage-Voc(V)	49.40	49.50	49.60	49.70	49.80
Short Circuit Current-Isc(A)	14.91	15.00	15.10	15.22	15.33
Maximum Power Voltage-Vmpp(V)	41.75	41.87	41.99	42.11	42.20
Maximum Power Current-Imp(A)	13.97	14.06	14.17	14.26	14.34

Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

ELECTRICAL DATA (NMOT)

Model Number	ASM144-9-530BMDG	ASM144-9-535BMDG	ASM144-9-540BMDG	ASM144-9-545BMDG	ASM144-9-550BMDG
Maximum Power-Pmax (Wp)	397.1	400.9	404.8	408.5	412.2
Open Circuit Voltage-Voc (V)	46.44	46.53	46.62	46.72	46.81
Short Circuit Current-Isc (A)	11.11	11.18	11.26	11.35	11.43
Maximum Power Voltage-Vmpp (V)	38.60	38.70	38.80	38.90	39.00
Maximum Power Current-Imp (A)	10.29	10.36	10.43	10.50	10.57

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2278×1134×30mm
Weight	32.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Tempered Glass
Frame	Anodized Aluminium Alloy type 6005-2T6, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+)350mm, Negative(-)230mm (Connector Included)
Connector	PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	720
Number of modules per pallet	36
Number of pallets per container	20
Packaging box dimensions (LxWxH) in mm	2355×1140×1260
Box gross weight[kg]	1205

