

235W-260W

Maximize solar return with
Solartech
High Performance Modules



ASC-6M-60-3BB Series
Mono-Crystalline Photovoltaic Modules

Maximize peak output with pre-sorted high quality 6" mono-crystalline cells

Ensure 5400pa snow loads and 2400pa wind loads with high transparent tempered glass and robust anodized aluminum frame

Commit protection in the severest weather conditions with certified EVA, Back sheet foil, and Junction box

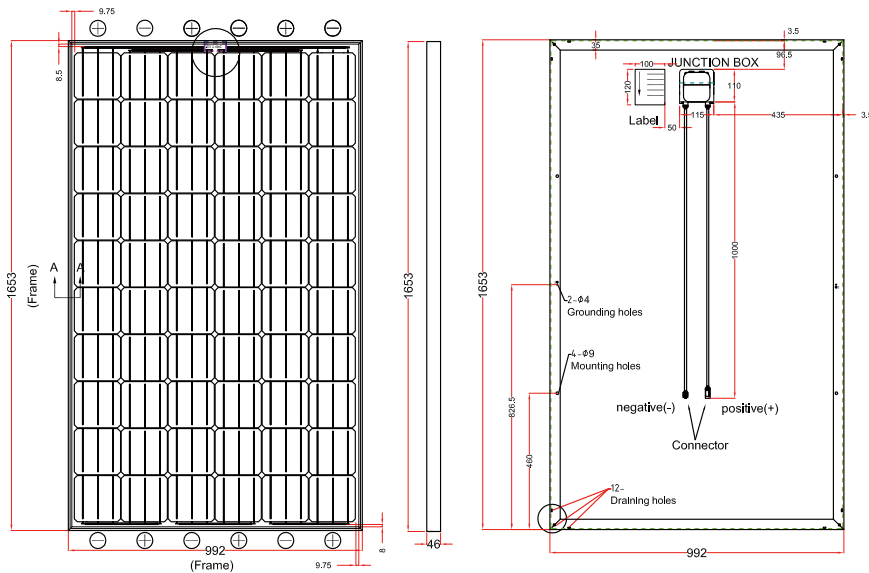
10-year limited product warranty, 25-year limited power output warranty (90% for 10 years, 80% for 25 years)



ASC-6M-60-3BB Series 240W-265W

Mono-Crystalline Photovoltaic Modules

Mechanical Data



Dimension: 1653mm x 992mm x 46mm

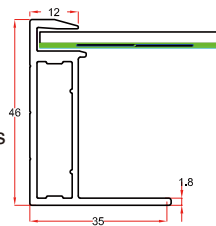
Cells: 60 mono-crystalline 156x156mm cells

Connection: Junction box IP65 with 3 bypass diodes

Cable: 4mm²x1.0m with Tyco or MC4 compatible connectors

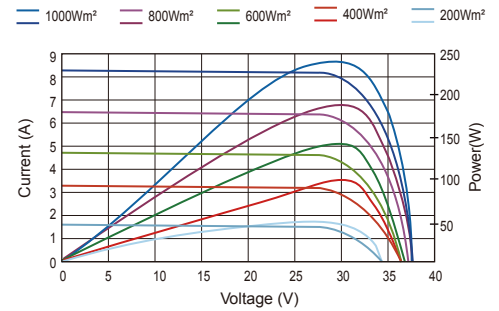
Frame: Anodized aluminum

Weight: 42.95 lb / 19.5 kg



IV Curve

IV and Pmax Curves with different radiation levels at 25°C



Temperature Coefficient

Temp. Coeff. of I_{sc} = 0.05%/K

Temp. Coeff. of V_{oc} = -0.32%/K

Temp. Coeff. of P_{max} = -0.47%/K

Maximum Operation

Operational Temperature: -40°C to +85°C
(-40°F to +185°F)

Maximum System voltage(UL): 600V DC

Maximum Reverse Current: 15A

Maximum Load: Snow load 5400pa(IEC) or 550kg/m²

Wind load 2400pa

Loading Capacity

20 ft container: 240 pcs (20pcs/pallet)

40 ft container: 520 pcs (20pcs/pallet)

40 ft HQ container: 624 pcs (24pcs/pallet)

Electrical Characteristics @ STC*

Module Number	ASC-6M-60-3BB-235	ASC-6M-60-3BB-240	ASC-6M-60-3BB-245	ASC-6M-60-3BB-250	ASC-6M-60-3BB-255	ASC-6M-60-3BB-260
Nominal Power P_{max} [Wp]	235	240	245	250	255	260
Power Tolerance **	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%
Nominal Voltage V_{max} [V]	29.87	30.04	30.19	30.71	31.25	31.71
Nominal Current I_{max} [A]	7.87	7.99	8.12	8.14	8.16	8.20
Open Circuit V_{oc} [V]	37.50	37.82	38.00	38.12	38.20	38.28
Short Circuit I_{sc} [A]	8.35	8.48	8.61	8.64	8.66	8.70
Efficiency Eff [%]	14.33	14.64	14.94	15.25	15.55	15.86

*STC: Standard Test Conditions, measurement at radiation strength 1,000 W/m², spectral distribution AM 1.5, temperature 25°C, in accordance with EN 60904-3

**Power tolerance can be adjusted on requests

NOCT: Nominal Operating Cell Temperature, 45.3 +/- 2°C, measurement at radiation strength 800 W/m², AM 1.5, Air temperature 20°C, wind speed 1m/s

Specifications are subject to change without notice

Warranty

10 year limited product workmanship warranty

25 year limited power output warranty: 90% minimum rated power for 10 years. 80% minimum rated power for 25 years