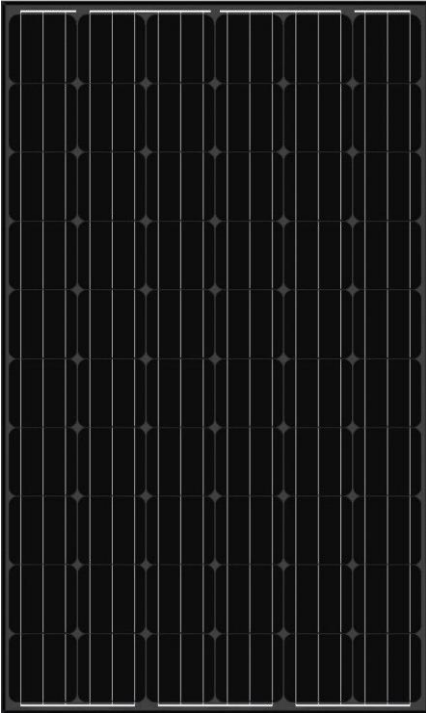




AS-6M30 BLACK

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

Aesthetically appealing design with black backsheet and frame.

High module conversion efficiency up to 16.90% through advanced manufacturing technology.

Low degradation and excellent performance under high temperature and low light conditions.

Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.

Positive power tolerance of 0 ~ +3 %.

High ammonia and salt mist resistance.

Potential induced degradation (PID) resistance.

CERTIFICATIONS

IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, ETL(USA), JET(Japan), J-PEC(Japan), MCS(UK), CEC(Australia), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), Kemco(South Korea), InMetro(Brazil), TSE(Turkey)

ISO9001:2008: Quality management system

ISO14001:2004: Environmental management system

OHSAS18001:2007: Occupational health and safety management system

SPECIAL WARRANTY

12 years limited product warranty.

Limited linear power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.

Passionately
committed to
delivering innovative
energy solution



ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P_{max})	240W	245W	250W	255W	260W	265W	270W	275W
Open Circuit Voltage (V_{oc})	37.1V	37.2V	37.3V	37.4V	37.5V	37.6V	37.7V	37.8V
Short Circuit Current (I_{sc})	8.52A	8.62A	8.72A	8.82A	8.91A	9.01A	9.10A	9.20A
Voltage at Nominal Power (V_{mp})	30.3V	30.4V	30.5V	30.6V	30.7V	30.8V	30.9V	31.0V
Current at Nominal Power (I_{mp})	7.92A	8.06A	8.20A	8.34A	8.48A	8.61A	8.74A	8.88A
Module Efficiency (%)	14.75	15.06	15.37	15.67	15.98	16.29	16.60	16.90
Operating Temperature	-40°C to +85°C							
Maximum System Voltage	1000V DC							
Fire Resistance Rating	Type 1(UL1703)/Class C(IEC61730)							
Maximum Series Fuse Rating	15A							

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (P_{max})	177W	180W	184W	188W	191W	195W	199W	202W
Open Circuit Voltage (V_{oc})	34.1V	34.2V	34.3V	34.4V	34.5V	34.6V	34.7V	34.8V
Short Circuit Current (I_{sc})	6.90A	6.98A	7.06A	7.14A	7.22A	7.30A	7.39A	7.45A
Voltage at Nominal Power (V_{mp})	27.6V	27.7V	27.8V	27.8V	27.9V	28.0V	28.1V	28.2V
Current at Nominal Power (I_{mp})	6.42A	6.50A	6.62A	6.77A	6.85A	6.97A	7.09A	7.17A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 156x156mm(6x6inches)
Number of cells	60 (6x10)
Module dimensions	1640x992x40mm (64.57x39.06x1.57inches)
Weight	18.5kg (40.8lbs)
Front cover	3.2mm (0.13inches) low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 900mm (35.43inches)
Connector	MC4 or MC4 compatible

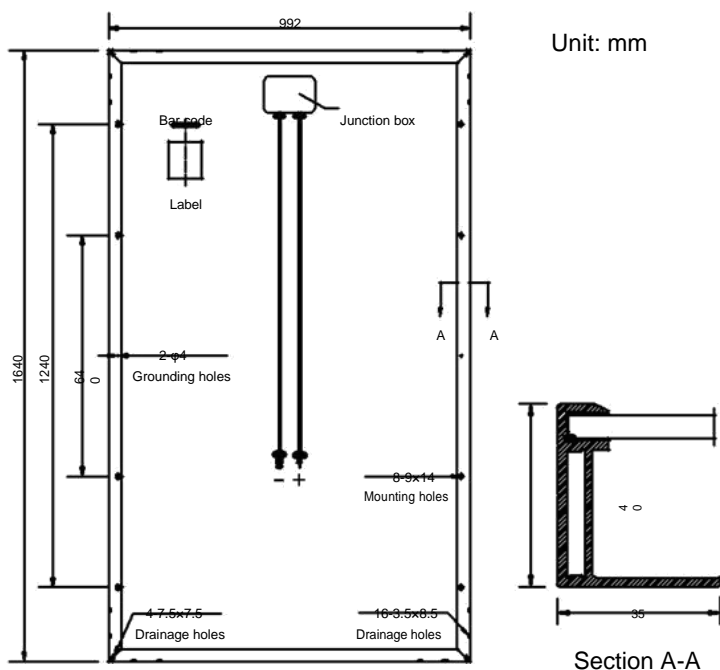
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.41%/°C
Temperature Coefficients of V_{oc}	-0.31%/°C
Temperature Coefficients of I_{sc}	0.05%/°C

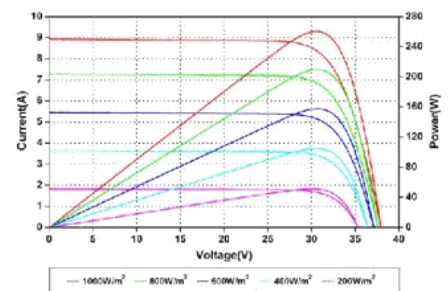
PACKAGING

Standard packaging	26pcs/pallet
Module quantity per 20' container	312pcs
Module quantity per 40' container	728pcs(GP)/784pcs(HQ)

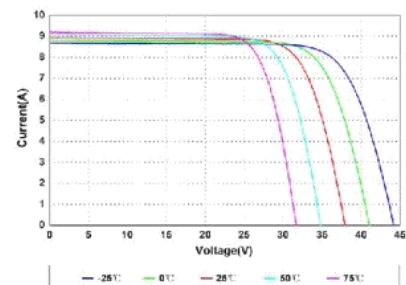
ENGINEERING DRAWINGS



IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.