

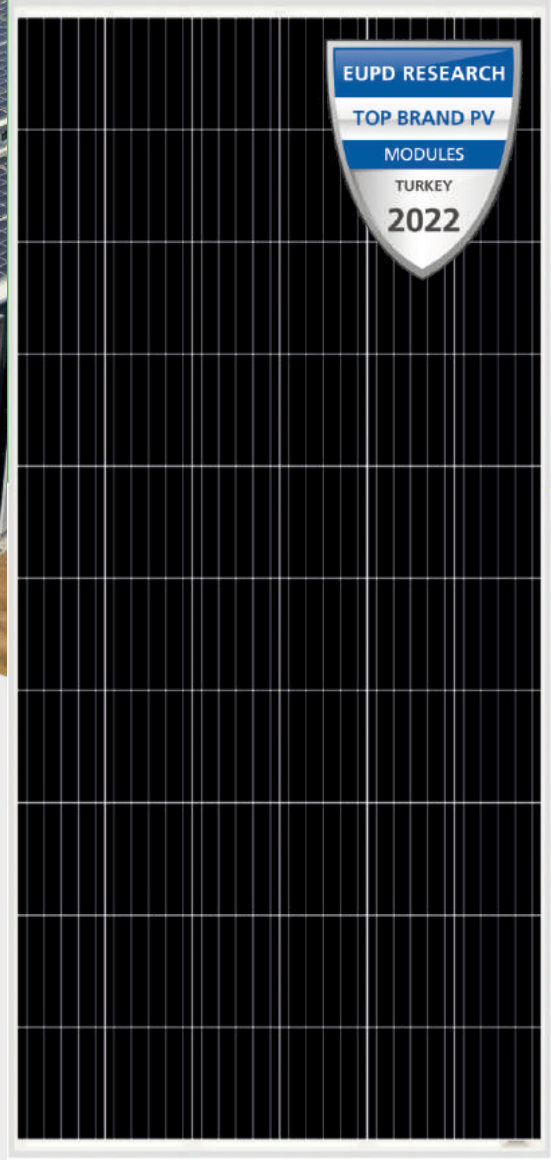
HIGH TECHNOLOGY
SOLAR MODULES

5BB

MONO PERC
PV MODULE

AS-M60

325W - 350W



HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH PERC TECHNOLOGY

0+5 Positive power tolerance (0+5W) guaranteed



High performance under low light.
Works at cloudy, rainy days



The monolithic per cell structure technology (low resistance characteristics) is adopted (the maximum conversion efficiency of modules is up to 21.00%)



EXTREME WEATHER RATING. High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (3800 Pa)



Reduced resistance between cells Less micro cracks, higher output power



SUPER STRONG FRAME. The overflow tank is waterproof with double layers. Aluminum frame enhances the mechanical load strength by 10%



IEC61215 | IEC61730 | IEC61701 | IEC62716 | IEC62804 PID Free
ISO 9001 | ISO 14001 | ISO 45001 | OHSAS 18001 | CE

AS - M60 325-350 W

5BB PERC MONOCRYSTALLINE PV MODULE

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (Pmax)	325W	330W	335W	340W	345W	350W
Open Circuit Voltage (Voc)	40.6V	40.8V	41.0V	41.20V	41.3V	41.4V
Short Circuit Current (Isc)	10.15A	10.25A	10.35A	10.42A	10.57A	10.62A
Voltage at Maximum Power (Vmp)	33.4V	33.6V	33.8V	34.0V	34.2V	34.5V
Current at Maximum Power (Imp)	9.74A	9.83A	9.92A	10.02A	10.08A	10.14A
Module Efficiency (%)	19.54	19.84	20.14	20.40	20.70	21.00
Power Tolerance	0~+3					
Operating Temperature	40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Maximum Series Fuse Rating	15A					

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

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (Pmax)	242W	246W	250W	253W	259W	262W
Open Circuit Voltage (Voc)	37.5V	37.7V	37.9V	38.10V	38.8V	38.9V
Short Circuit Current (Isc)	8.22A	8.30A	8.38A	8.45A	8.49A	8.52A
Voltage at Maximum Power (Vmp)	30.6V	30.8V	31.0V	31.20V	32.8V	33.2V
Current at Maximum Power (Imp)	7.91A	7.99A	8.07A	8.12A	7.89A	7.91A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC
Number of cells	60 (6x10)
Module dimensions	1660x1004x35mm
Weight	18.5kg
Front cover	3.2mm Tempered Glass En12150
Frame	Anodized Aluminium Alloy
Junction box	Ip67, 3 diodes
Cable	4mm ² 900 - 1000mm
Connector	MC4 or MC4 compatible Ip67
Cell Encapsulation	EVA (Ethylene - Vinly - Acetate)

TEMPERATURE CHARACTERISTICS

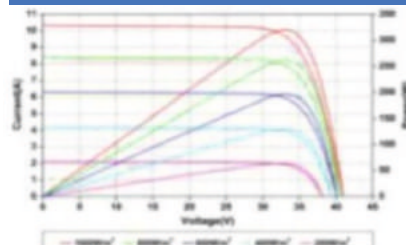
Nominal Operating Cell Temperature (NOCT)	45° C±2° C
Temperature Coefficients of Pmax	-0.38%/° C
Temperature Coefficients of Voc	-0.29%/° C
Temperature Coefficients of Isc	0.052%/°C

PACKAGING

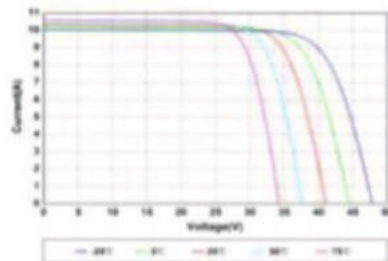
Standard packaging	32 pcs/pallet
Module quantity per 20' container	384pcs
Module quantity per 40' container	896pcs

ENGINEERING DRAWINGS IV

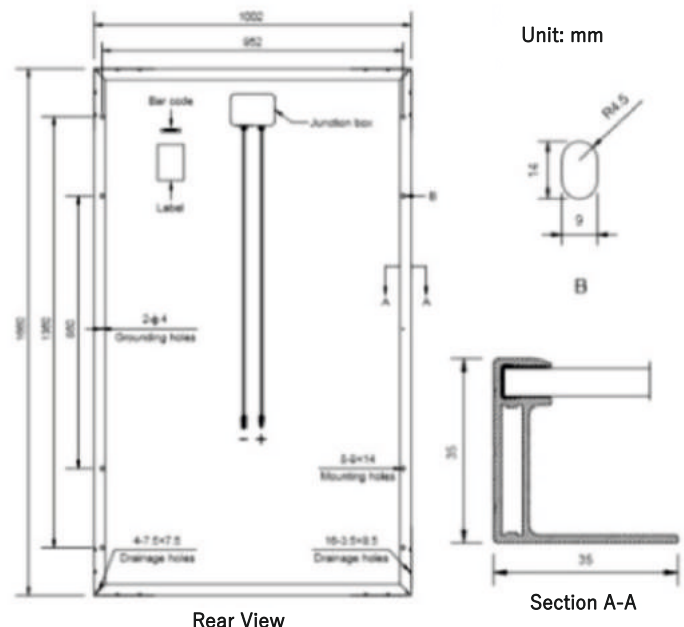
IV CURVES



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.

WARRANTY

12 YEARS
PRODUCT WARRANTY

30 YEARS
POWER WARRANTY

