

BSC SQUARE MONO

380-400 Watt

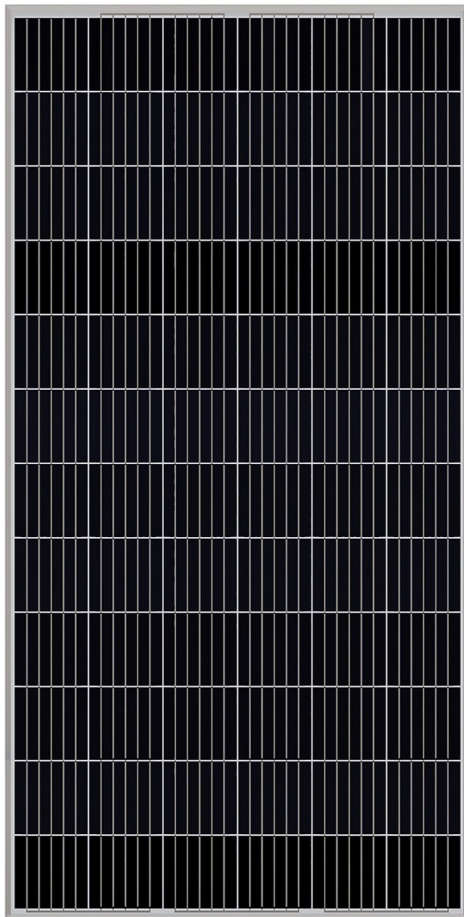
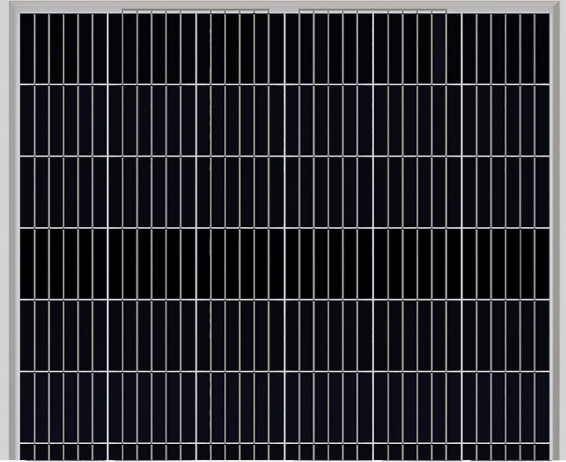
MONO CRYSTALLINE MODULE

Positive power tolerance 0~ +3%

ISO9001:2008 ISO 14001:2004 OHSAS 18001 certified factory

IEC61215 IEC61730 certified products

PERC 5BB



KEY FEATURES



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 20.20%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



PID RESISTANT:

BSC PERC modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

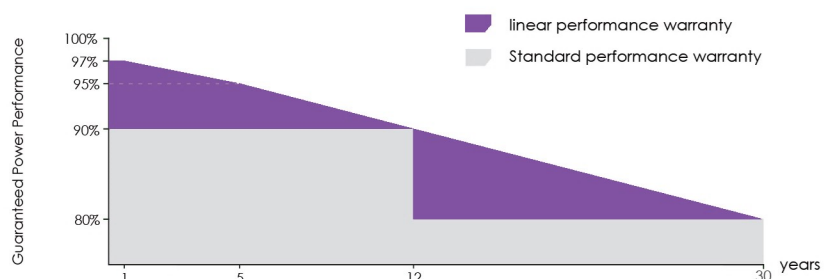


Durability against extreme environmental conditions:

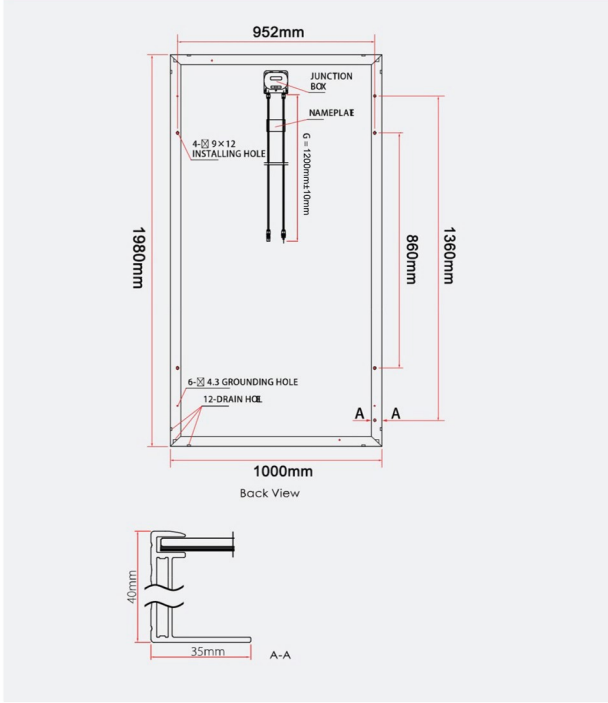
High salt mist and ammonia resistance certified by TUV.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty



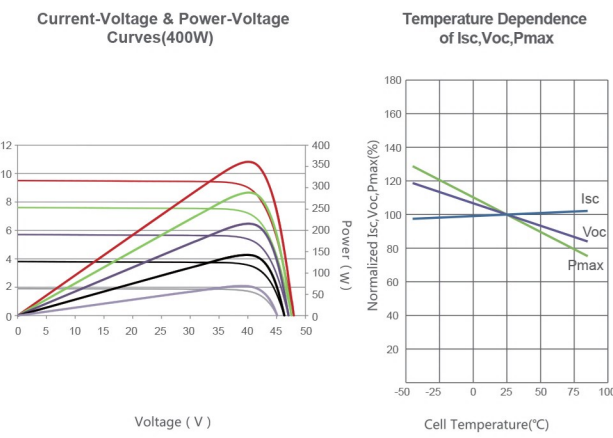
Engineering Drawings



Packaging Configuration

(2 pallets=1 stack)
26pcs/pallet, 52pcs/stack, 572pcs/40' Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Square Mono-Crystalline PERC 158.75x158.75mm
No. of cells	72 (6x12)
Dimensions	1980 x 1000 x 40mm
Weight	22.5 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1x4.0mm ² , Length:1200mm or Customized Length

SPECIFICATIONS

Module Type	BSC-6M72-380		BSC-6M72-385		BSC-6M72-390		BSC-6M72-395		BSC-6M72-400	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	286Wp	385Wp	290Wp	390Wp	294Wp	395Wp	298Wp	400Wp	302Wp
Maximum Power Voltage (Vmp)	40.50V	38.60V	40.80V	38.80V	41.10V	39.10V	41.40V	39.30V	41.70V	39.60V
Maximum Power Current (Imp)	9.39A	7.42A	9.44A	7.48A	9.49A	7.54A	9.54A	7.60A	9.60A	7.66A
Open-circuit Voltage (Voc)	48.90V	47.50V	49.10V	47.70V	49.30V	48.0V	49.50V	48.20V	49.70V	48.50V
Short-circuit Current (Isc)	9.75A	7.88A	9.92A	7.95A	10.12A	8.02A	10.20A	8.09A	10.26A	8.16A
Module Efficiency STC (%)	19.19%		19.44%		19.70%		19.95%		20.20%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.39%/°C									
Temperature coefficients of Voc	-0.30%/°C									
Temperature coefficients of Isc	0.05%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: 0~ +3%
Baan Solar Cell Co.,Ltd
 232/1 Moo 1, T.Muangmu, A.Muang, Singburi 16000 Thailand
 Tel: +66 99 289 1656, +66 99 615 1644, +66 36 573 435 Fax: +66 36 573 440
 www.baansolarcell.co.th Email: darunprat@gmail.com

