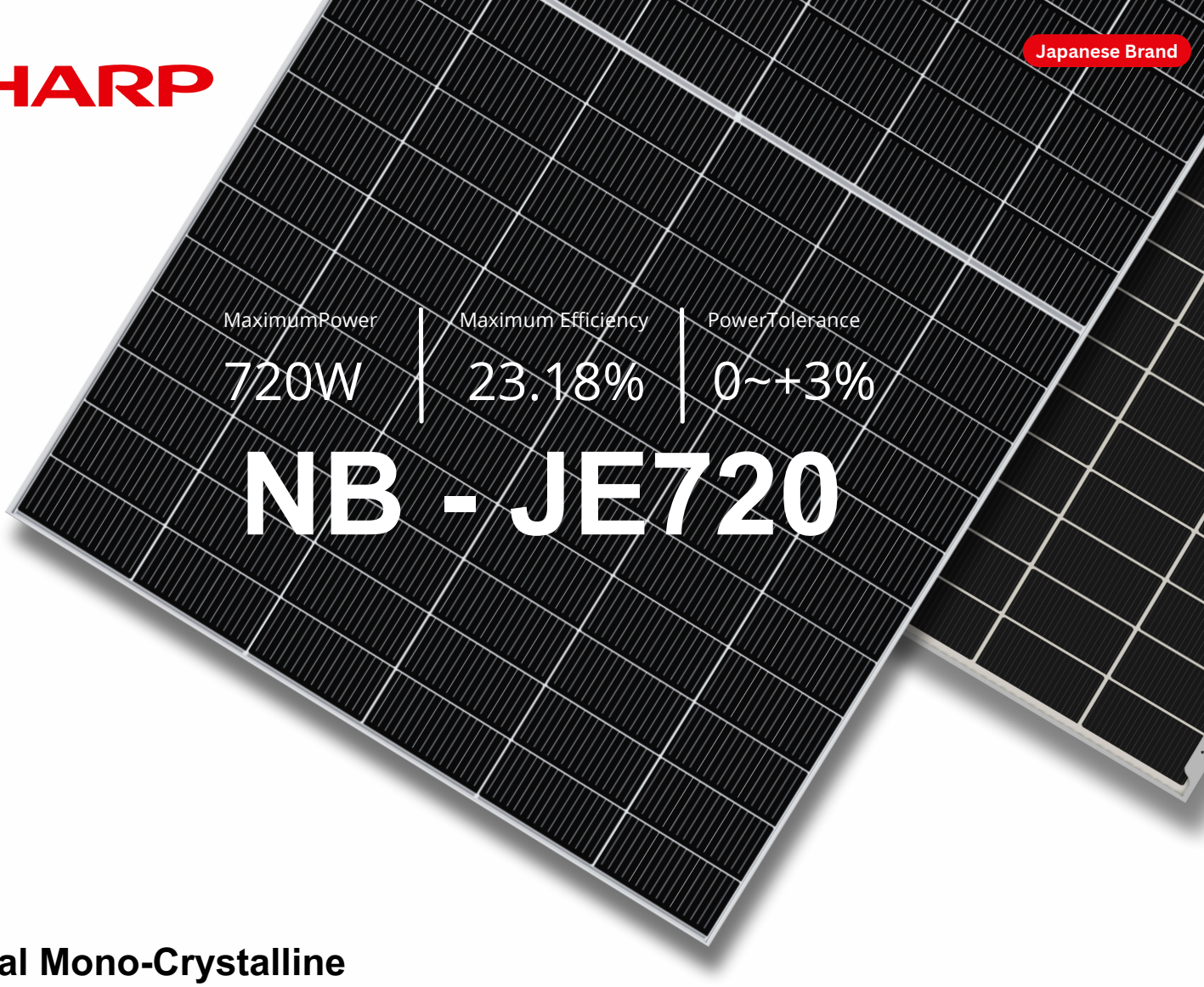
SHARP

Japanese Brand



MaximumPower	Maximum Efficiency	PowerTolerance
720W	23.18%	0~+3%

NB - JE720

Bifacial Mono-Crystalline Half-Cut Photovoltaic Module N-Type

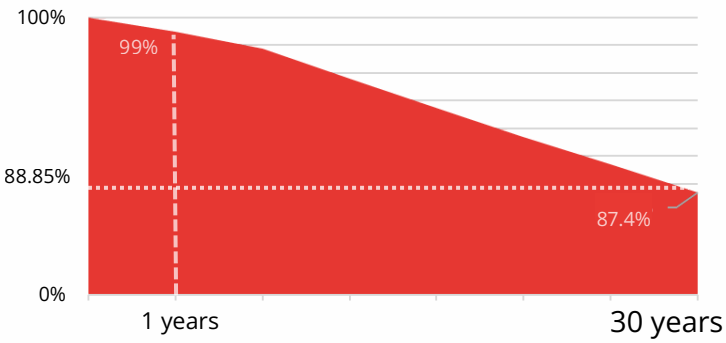
CELL TYPE
N-Type/MBB/Monocrystalline/Half-Cell

HIGH EFFICIENCY, HIGH GENERATION
Based on Monocrystalline silicon wafer and TOPCon cell technology, the power generation efficiency has greatly improved with lower degradation and better temperature coefficient.

EXCELLENT ANTI-PID PERFORMANCE
Cell manufacturing technology optimization and materials control will help reduce PID degradation rate to the minimum

SUPPORT 1500V SYSTEM
Increase the number of system modules in series, reduce overall cost of terminal power plant

STORNG MECHANICAL LOAD CAPACITY
Withstand snow pressure up to 5400Pa on the front face and wind pressure up to 2400Pa on the rear face



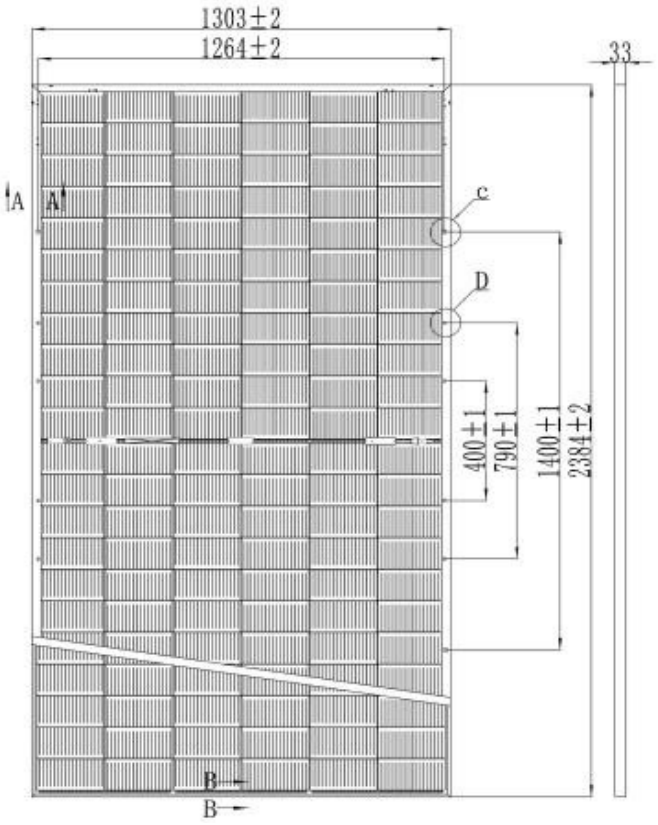
CONNECT WITH US

(66) 2-855-8800
info@sssa.sharp-world.com
http://sssa.co.th
www.facebook.com/sharpsolarsolutionasia
952 RAMALAND BUILDING.
15th FLOOR, RAMA IV ROAD. SURIYAWONG, BANGRAK, BANGKOK 10500 THAILAND

Japanese Brand

SHARP

NB - JE720



MECHANICAL DATA / BI-FACIAL MONOCRYSTALLINE

No. of Cells	132 pcs. 6x11x2 series cells in parallel)
Dimension (L x W x D)	2,384 x 1,303 x 33 mm
Weight	37.5 ± 1 kg
Frame	Anodized aluminum alloy
Front Glass	Semi-tempered embossed coated glass
Back Glass	Semi-tempered embossed/high-reflection
Junction Box	Protection IP-rating 68
Cable	4.0 mm², 1600±50 mm or customized length
Connector	MC4

ELECTRICAL DATA (STC*)

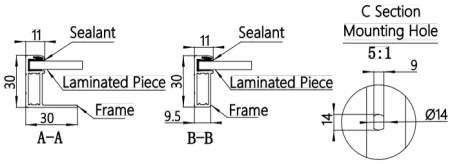
Maximum Power	Pmax	720	Wp
Tolerance of Pmax		0 to +3	%
Open-Circuit Voltage	Voc	49.18	V
Short-Circuit Current	Isc	18.63	A
Voltage at Point of Maximum Power	Vmpp	40.98	V
Current at Point of Maximum Power	Impp	17.57	A
Module Efficiency	ηm	23.18	%

BI-FACIAL GENERATION DATA (STC*)

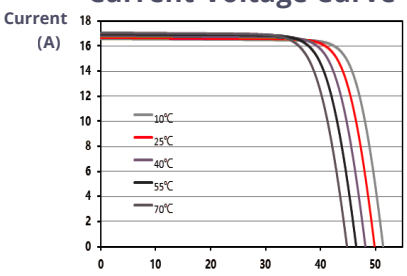
Power Gain Rear Side		5%	15%	25%	
Maximum Power	Pmax	756.01	828.21	899.92	Wp
Open-Circuit Voltage	Voc	49.18	49.18	49.18	V
Short-Circuit Current	Isc	19.56	21.42	23.29	A
Voltage at Point of Maximum Power	Vmpp	40.98	40.98	40.98	V
Current at Point of Maximum Power	Impp	18.45	20.21	21.96	A

STC = Standard Test Conditions : Irradiance 1,000 W/m², AM 1.5, Cell temperature 25 °C

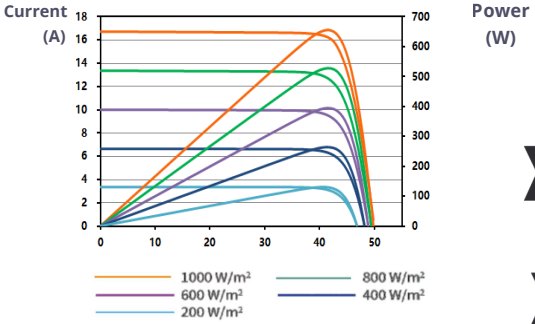
REAR VIEW



Current-Voltage Curve



Power-Voltage&Current-Voltage Curve



TEMPERATURE CHARACTERISTICS

Cell Operating Temperature	45±2 ◦ C
Temperature coefficient of Isc	0.047%/ ◦ C
Temperature coefficient of Voc	-0.233%/ ◦ C
Temperature coefficient of Pmax	-0.290%/ ◦ C

PACKING

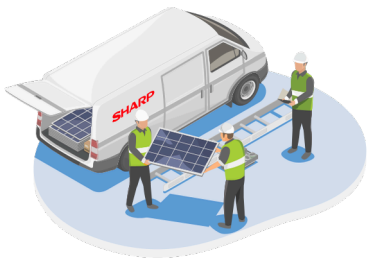
33 pcs./pallet, 594 pcs./40'HQ

OPERATING CONDITIONS

Maximum System Voltage	1500V for connector C1 1000V for connector MC4	Max Rear Face Static Load (Snow etc)*	5400Pa
Operating Temperature	-40~+85 ◦ C		
Maximum Series Fuse Rating	35A	Max Rear Face Static Load (Wind etc)*	2400Pa

Product warranty 12 years

Power output warranty 30 years



Note: Electrical parameters are only used for comparison between different types of modules.
Due to product innovation ,Sharp Solar Solutions Asia reserves the right to adjust the information in this datasheet at any time without prior notice. The technical data in this datasheet may be slightly deviated. Customer shall obtain the latest version of the datasheet when signing contract and making it an integral part of the binding contract signed by both parties.