

16BB half cut cells



100% TEST

Three EL tests
ensure high
quality standard



Reduced hot spot risk
with optimized
electrical design and
lower operating current



Monocrystalline N Type
High efficiency



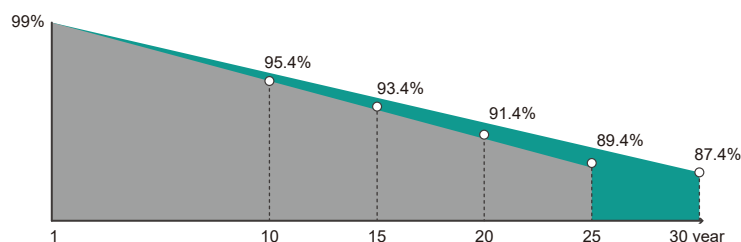
Higher power yield
0 ~ +5W extra output power



Anti-PID
Low LID Performance

620~640W

N type 132Cells Bifacial Solar Module



Quality Guarantee

15-Years
material & technology warranty

30-Years
linear power output warranty

- SUNWE solar linear power output guarantee
- Standard linear power output guarantee

Electrical Characteristics (STC/BNPI)

Module Type	SW620BIM12		SW625BIM12		SW630BIM12		SW635BIM12		SW640BIM12	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power- Pmax(W)	620W	682W	625W	688W	630W	693W	635W	699W	640W	704W
Open Circuit Voltage - Voc(V)	49.40V	49.40V	49.63V	49.63V	49.87V	49.87V	50.11V	50.11V	50.35V	50.35V
Short- Circuit Current - Isc(A)	15.95A	17.55A	16.00A	17.60A	16.05A	17.66A	16.10A	17.71A	16.15A	17.77A
Voltage at Pmax -Vmp(V)	41.05V	41.05V	41.25V	41.25V	41.45V	41.45V	41.65V	41.65V	41.84V	41.84V
Current at Pmax - Imp(A)	15.10A	16.61A	15.15A	16.67A	15.20A	16.72A	15.25A	16.77A	15.29A	16.82A
Module Efficiency -ηm(%)	22.9%		23.1%		23.3%		23.5%		23.7%	
Power Tolerance(W)	(0, +5W)									
Maximum System Voltage(V)	1500VDC(IEC)									
Maximum Series Fuse Rating(A)	30A									

STC : Irradiance 1000W/m^2 , Cell Temperature 25°C , Air Mass 1.5

BNPI: Front Irradiance 1000W/m^2 , rear 135W/m^2 , Cell Temperature 25°C , Air Mass 1.5

Mechanical Specifications

External Dimensions	2382x1134x30mm
Weight	32.4kg
Solar Cells	N type Mono-crystalline 132 cells of 182×105mm
Glass	Dual Glass, AR Coated 2.0 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 with 3 bypass diodes
Output Cables	4.0mm², 30cm (+), 40cm (-), length can be customized
Connector	MC4 Compatible

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	8	20
Pieces per Container	288	720

Temperature Characteristics

Pmax Temperature Coefficient	-0.29%/ °C
Voc Temperature Coefficient	-0.25%/ °C
Isc Temperature Coefficient	+0.045%/ °C
Operating Temperature	-40 ~ +85/ °C
Nominal Operating Cell Temperature(NOCT)	45±2/ °C

