

KVNC-XXXB-66-GGT

Half-cell Module

605-630W

Output power

23.32%

Maximum efficiency

12-year

Warranty for product

30-year

Warranty for linear power output

IEC 61215

IEC 61730

ISO9001:2015

(Quality Management System)

ISO14001

(Environmental Management System)

ISO45001

(Occupational Health and Safety Management System)

ISO50001

(Energy Management System)



G12R Half Cell Technology

G12R size half cell technology that increases the energy production of the module.

N-type Technology

N-type modules with Tunnel Oxide Passivating contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.

HOT 3.0 Technology

N-type modules with HOT 3.0 technology offer better reliability and efficiency.

Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.

Anti-PID Guarantee

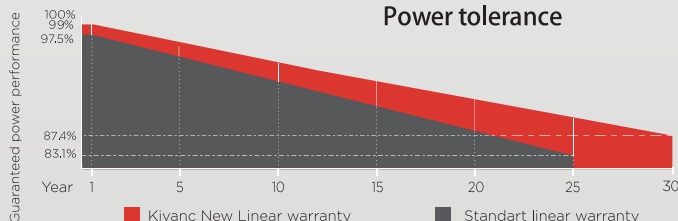
Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

SMBB Technology

Better light trapping and current collection to improve module power output and reliability.

0~+5W

Power tolerance



KIVANÇ

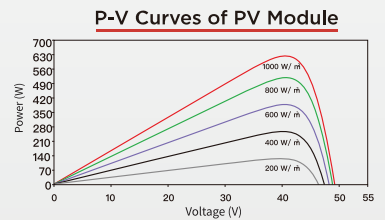
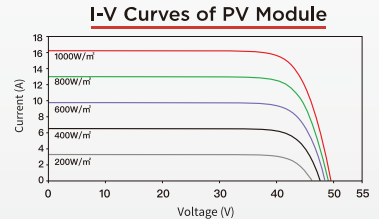
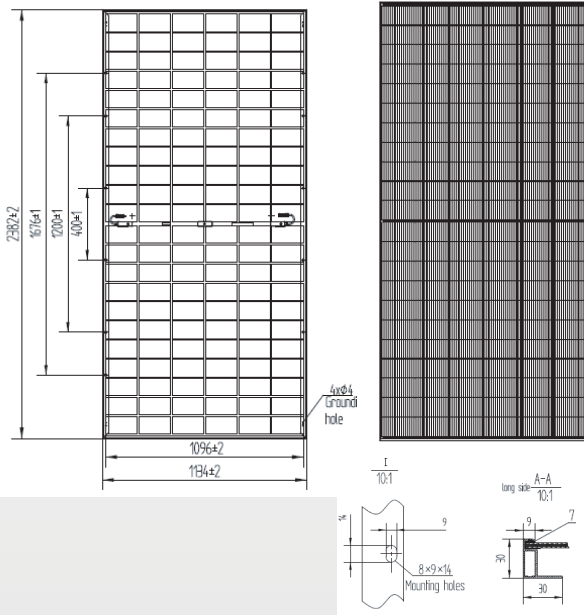
KVNC-xxxB-66-GGT

23.32 %
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

<1.0%
FIRST YEAR
POWER DEGRADATION

0.40%
YEAR 2-30
POWER DEGRADATION



Electrical Parameter(STC)

Model	605B	610B	615B	620B	625B	630B
Maximum Power	605	610	615	620	625	630
Working point voltage	40.31	40.46	40.60	40.74	40.88	41.02
Working point current	15.01	15.08	15.15	15.22	15.29	15.36
Open circuit voltage	48.48	48.68	48.88	49.08	49.28	49.48
PV module efficiency	22.40	22.58	22.77	22.95	23.14	23.32
Short circuit current	15.90	15.96	16.02	16.08	16.14	16.20
Standard test conditions	Atmospheric quality Am 1.5, Irradiance 1000W/m², Cell Temperature 25°C					

Electrical Characteristics With (BNPI)

Model	605B	610B	615B	620B	625B	630B
Maximum Power	668	674	679	685	690	696
Working point voltage	40.29	40.46	40.59	40.75	40.88	41.04
Working point current	16.58	16.66	16.73	16.81	16.88	16.95
Open circuit voltage	48.46	48.66	48.86	49.06	49.26	49.46
Short circuit current	17.56	17.64	17.70	17.77	17.83	17.90
BNPI	1000W/m² irradiance on the front side, and 135W/m² irradiance on the rear side, Cell Temperature 25°C, AM = 1.5					

Temperature Parameter

Temperature coefficient of maximum power(Pmax)	-0.29%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.25%/°C
Temperature coefficient of short circuit current(Isc)	+0.045%/°C

Maximum Ratings

Working temperature	-40~+70°C
Maximum system voltage	1500VDC
Maximum fuse rated current	35A

Packaging&Transport

13.5m truck transport	36Pcs/box x 21 box = 756 Pcs
40HQ container transport	36Pcs/box*20box=720Pcs

Mechanical Parameters

Cell Type	N-type Mono-16BB
Module size	2382X1134X30mm
Number of solar cells	132PCS(6x2)
Weight	32.4Kg
Junction Box	IP68
Cables	4mm², +300mm&-300mm (Customizable)
Front glass	2.0mm, Anti-Reflection (coating)
Back glass	2.0mm, Heat Strengthened glass
Frame	Anodized Aluminium Alloy
Static load on the front	5400Pa
Static load on the back	2400Pa